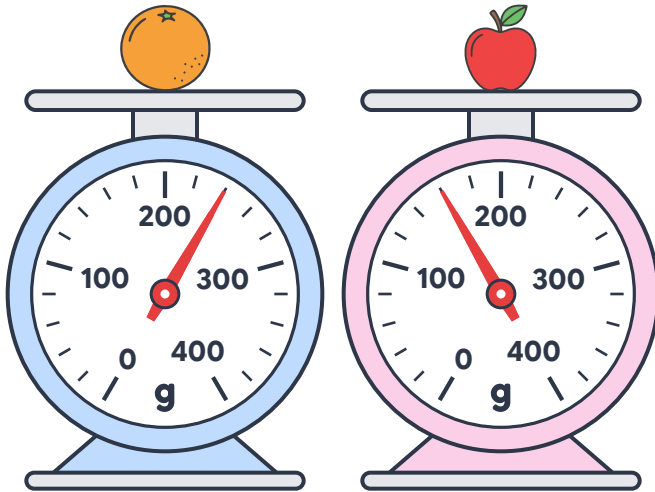


Mass and Liquid Volume

Read the scales. Add or subtract to solve.

Example How much more mass does the orange have than the apple?



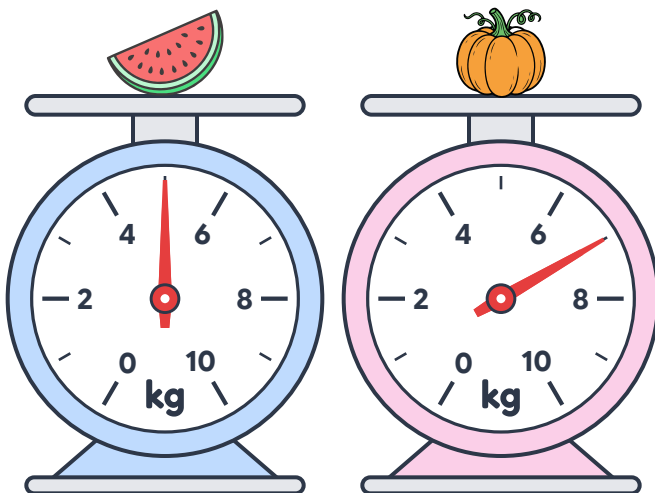
$$240 - 160 = 80 \text{ g}$$

1. What is the total mass of the cheese and the grapes?



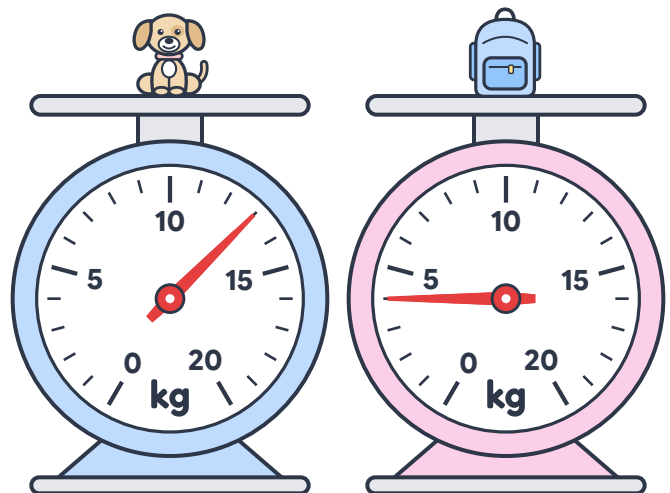
$$\underline{\quad\quad} \bigcirc \underline{\quad\quad} = \underline{\quad\quad} \text{ g}$$

2. What is the total mass of the watermelon and the pumpkin?



$$\underline{\quad\quad} \bigcirc \underline{\quad\quad} = \underline{\quad\quad} \text{ kg}$$

3. How much more mass does the puppy have than the backpack?

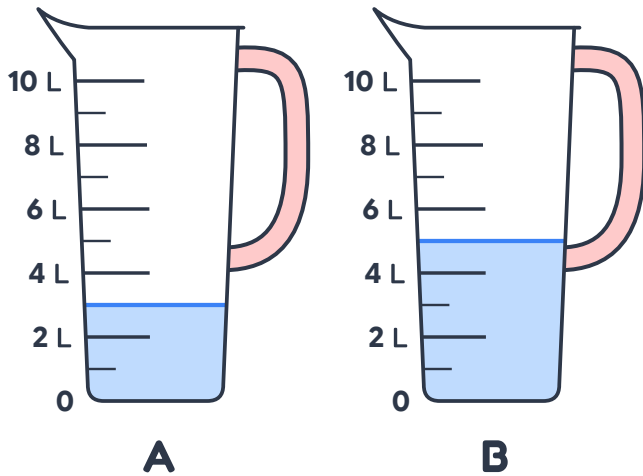


$$\underline{\quad\quad} \bigcirc \underline{\quad\quad} = \underline{\quad\quad} \text{ kg}$$

Mass and Liquid Volume

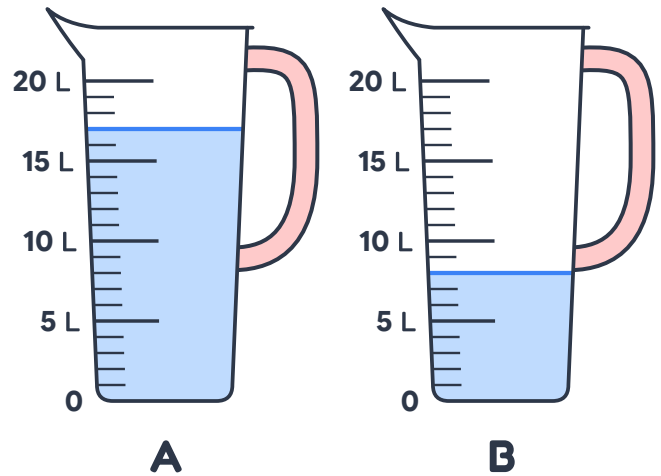
Read the jugs. Add or subtract to solve.

Example How many liters of water are in jugs A and B in all?



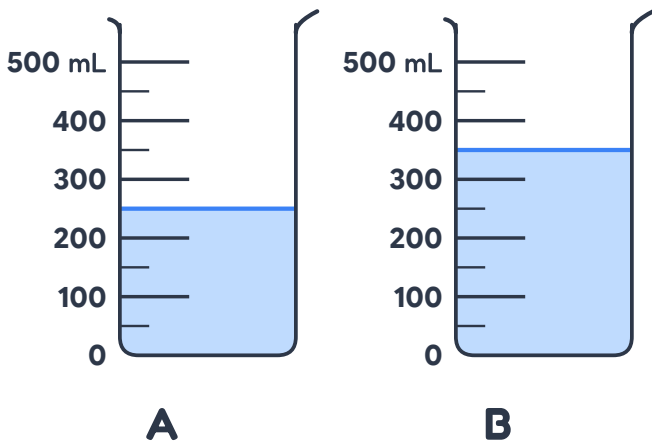
$$\underline{3} + \underline{5} = \underline{8} \text{ L}$$

1. How many more liters of water are in jug A than in jug B?



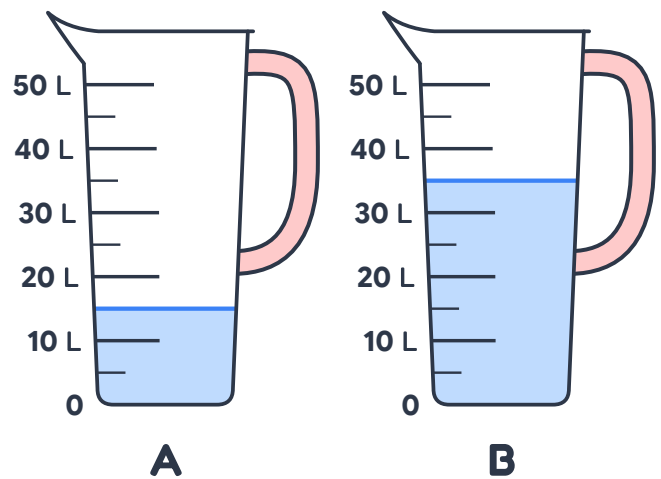
$$\underline{\quad} - \underline{\quad} = \underline{\quad} \text{ L}$$

2. How many milliliters of water are in beakers A and B in all?



$$\underline{\quad} + \underline{\quad} = \underline{\quad} \text{ mL}$$

3. How many more liters of water are in jug B than in jug A?



$$\underline{\quad} - \underline{\quad} = \underline{\quad} \text{ L}$$

Mass and Liquid Volume

Multiply or divide. Write the number sentence. Then solve.

Example Each sack of potatoes has a mass of 5 kilograms. How many kilograms do 4 sacks have?

$$\underline{4} \times \underline{5} = \underline{20}$$



20 kilograms

1. Ana has 18 liters of water. She pours the same amount into 6 bottles. How many liters go in each bottle?

$$\underline{\quad} \div \underline{6} = \underline{\quad}$$



 liters

2. A tank has 40 liters of water. Each bucket holds 8 liters. How many buckets can be filled from the tank?

$$\underline{40} \div \underline{8} = \underline{\quad}$$



 buckets

3. A pencil has a mass of 8 grams. How many grams do 6 pencils have?

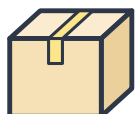
$$\underline{8} \times \underline{6} = \underline{\quad}$$



 grams

4. Dad has 24 kilograms of dog food. He puts the same amount into 3 bins. How many kilograms go in each bin?

$$\underline{24} \div \underline{3} = \underline{\quad}$$



 kilograms

5. A pitcher holds 2 liters of lemonade. How many liters do 7 pitchers hold?

$$\underline{2} \times \underline{7} = \underline{\quad}$$



 liters

Mass and Liquid Volume

Compare. Read the two bars, then solve.

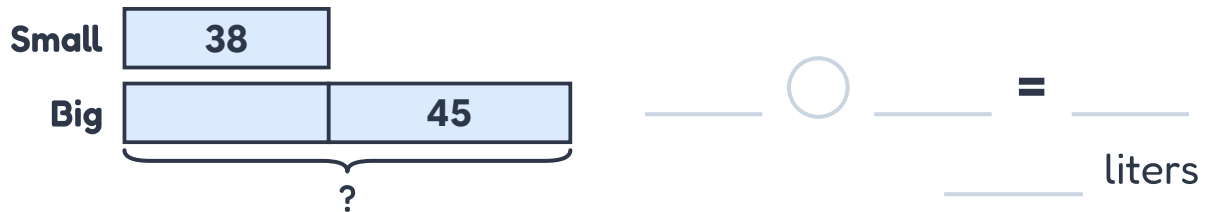
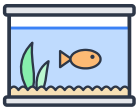
Example

A dog has a mass of **32** kilograms. A cat has a mass of **5** kilograms. How much heavier is the dog?



1.

A small tank holds **38** liters. A big tank holds **45** liters more. How many liters does the big tank hold?



2.

A melon has a mass of **900** grams. An orange is **650** grams lighter. What is the mass of the orange in grams?



3.

A mug holds **325** milliliters. A bowl holds **600** milliliters. How many more milliliters does the bowl hold?



Mass and Liquid Volume

Add, subtract, multiply or divide. Then solve.

1. A bathtub has **85** liters of water. Mom adds **37** more liters. How many liters of water are in the tub now?

$$\underline{\quad\quad} \bigcirc \underline{\quad\quad} = \underline{\quad\quad}$$


_____ liters

2. A box of books has a mass of **34** kilograms. Ben takes out **18** kilograms of books. How many kilograms are in the box now?

$$\underline{\quad\quad} \bigcirc \underline{\quad\quad} = \underline{\quad\quad}$$


_____ kilograms

3. A strawberry has a mass of **9** grams. How many grams do **7** strawberries have?

$$\underline{\quad\quad} \bigcirc \underline{\quad\quad} = \underline{\quad\quad}$$


_____ grams

4. A cooler holds **28** liters of juice. Coach pours it into jugs that hold **4** liters each. How many jugs does he fill?

$$\underline{\quad\quad} \bigcirc \underline{\quad\quad} = \underline{\quad\quad}$$

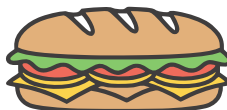

_____ jugs

5. A bag has **750** grams of rice. Dad cooks **280** grams. How many grams of rice are left?

$$\underline{\quad\quad} \bigcirc \underline{\quad\quad} = \underline{\quad\quad}$$


_____ grams

6. A sandwich has a mass of **190** grams. An apple has a mass of **160** grams. What is their total mass in grams?

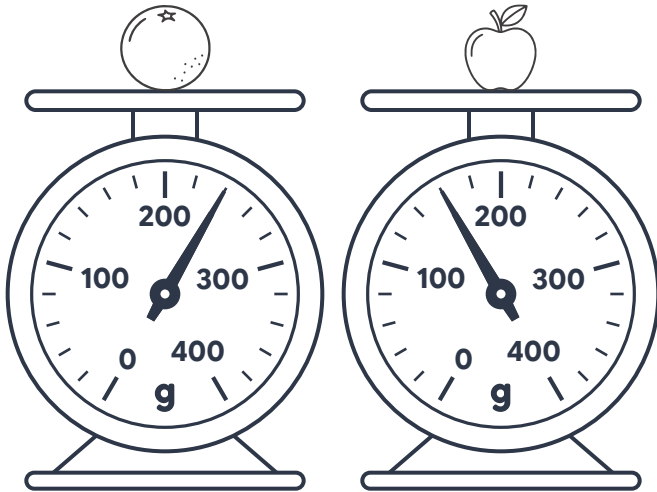
$$\underline{\quad\quad} \bigcirc \underline{\quad\quad} = \underline{\quad\quad}$$


_____ grams

Mass and Liquid Volume

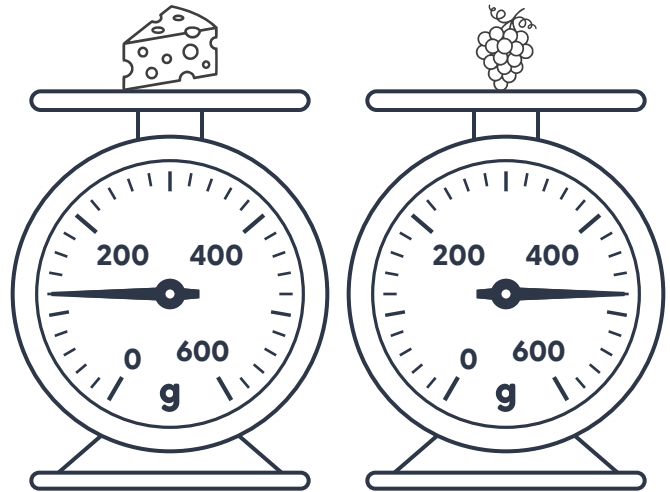
Read the scales. Add or subtract to solve.

Example How much more mass does the orange have than the apple?



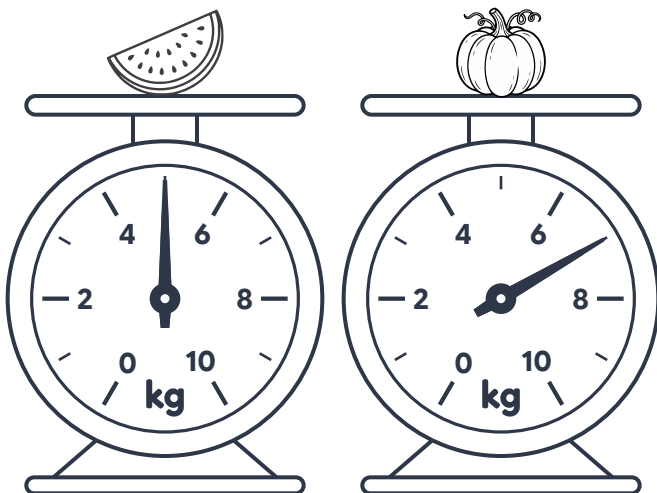
$$240 - 160 = 80 \text{ g}$$

1. What is the total mass of the cheese and the grapes?



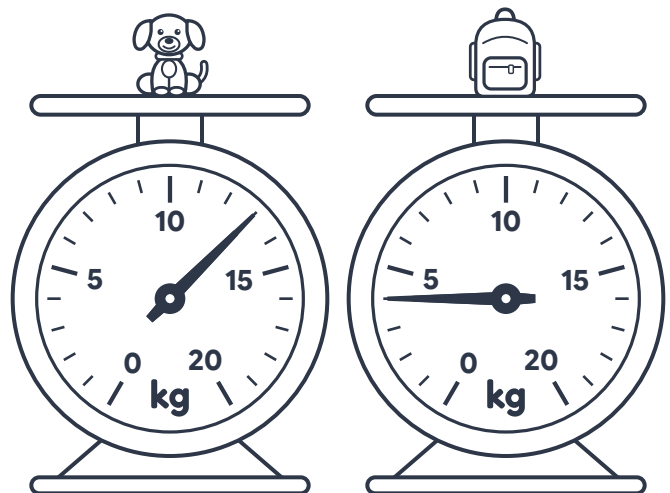
$$\underline{\quad} \bigcirc \underline{\quad} = \underline{\quad} \text{ g}$$

2. What is the total mass of the watermelon and the pumpkin?



$$\underline{\quad} \bigcirc \underline{\quad} = \underline{\quad} \text{ kg}$$

3. How much more mass does the puppy have than the backpack?

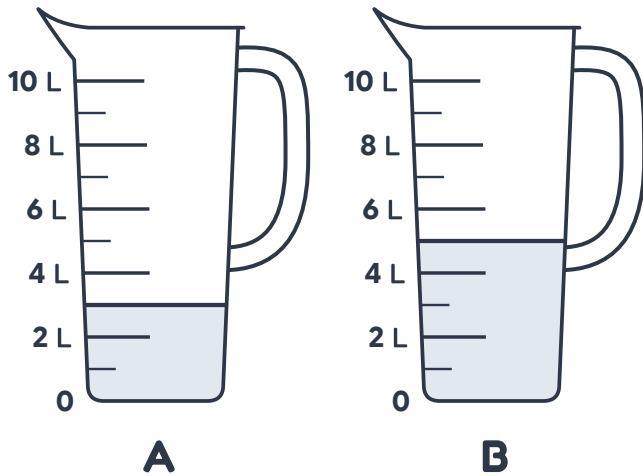


$$\underline{\quad} \bigcirc \underline{\quad} = \underline{\quad} \text{ kg}$$

Mass and Liquid Volume

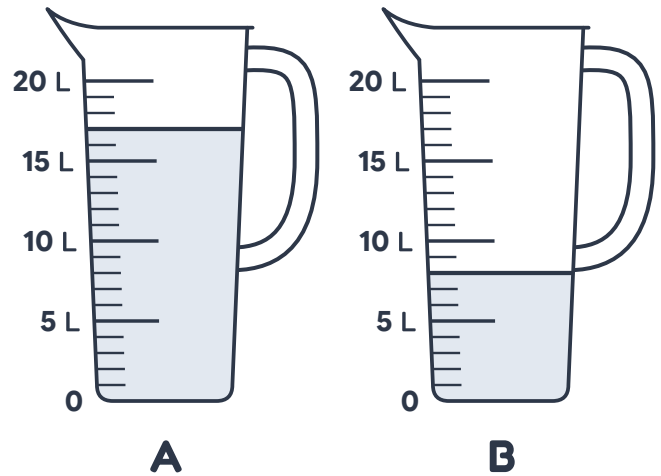
Read the jugs. Add or subtract to solve.

Example How many liters of water are in jugs A and B in all?



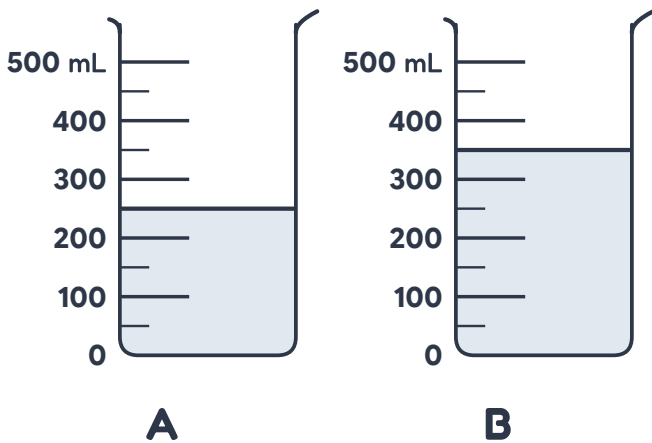
$$\underline{3} + \underline{5} = \underline{8} \text{ L}$$

1. How many more liters of water are in jug A than in jug B?



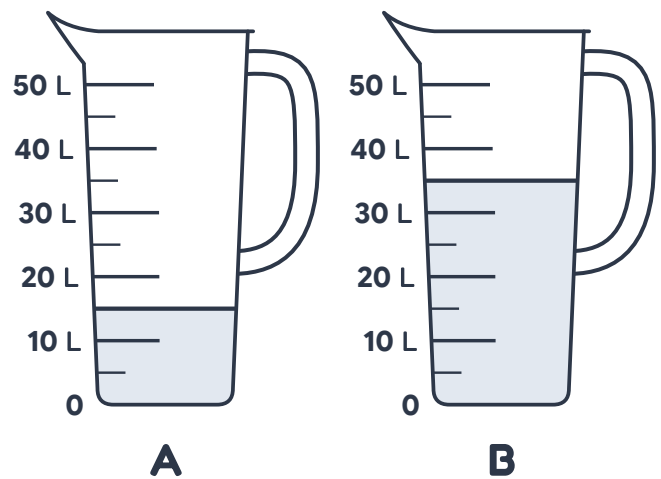
$$\underline{\quad} - \underline{\quad} = \underline{\quad} \text{ L}$$

2. How many milliliters of water are in beakers A and B in all?



$$\underline{\quad} + \underline{\quad} = \underline{\quad} \text{ mL}$$

3. How many more liters of water are in jug B than in jug A?



$$\underline{\quad} - \underline{\quad} = \underline{\quad} \text{ L}$$

Mass and Liquid Volume

Multiply or divide. Write the number sentence. Then solve.

Example Each sack of potatoes has a mass of **5** kilograms. How many kilograms do **4** sacks have?

$$\underline{4} \times \underline{5} = \underline{20}$$



20 kilograms

1. Ana has **18** liters of water. She pours the same amount into **6** bottles. How many liters go in each bottle?

$$\underline{\quad} \div \underline{6} = \underline{\quad}$$



 liters

2. A tank has **40** liters of water. Each bucket holds **8** liters. How many buckets can be filled from the tank?

$$\underline{40} \div \underline{8} = \underline{\quad}$$



 buckets

3. A pencil has a mass of **8** grams. How many grams do **6** pencils have?

$$\underline{8} \times \underline{6} = \underline{\quad}$$



 grams

4. Dad has **24** kilograms of dog food. He puts the same amount into **3** bins. How many kilograms go in each bin?

$$\underline{24} \div \underline{3} = \underline{\quad}$$



 kilograms

5. A pitcher holds **2** liters of lemonade. How many liters do **7** pitchers hold?

$$\underline{2} \times \underline{7} = \underline{\quad}$$



 liters

Mass and Liquid Volume

Compare. Read the two bars, then solve.

Example

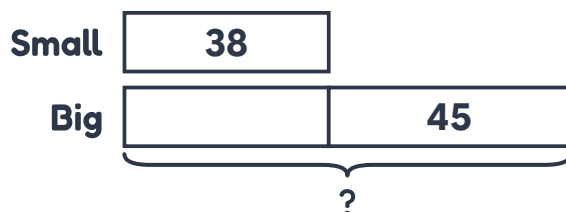
A dog has a mass of **32** kilograms. A cat has a mass of **5** kilograms. How much heavier is the dog?



$$\underline{32} - \underline{5} = \underline{27}$$

27 kilograms

1. A small tank holds **38** liters. A big tank holds **45** liters more. How many liters does the big tank hold?



$$\underline{\quad} \bigcirc \underline{\quad} = \underline{\quad}$$

_____ liters

2. A melon has a mass of **900** grams. An orange is **650** grams lighter. What is the mass of the orange in grams?



$$\underline{\quad} \bigcirc \underline{\quad} = \underline{\quad}$$

_____ grams

3. A mug holds **325** milliliters. A bowl holds **600** milliliters. How many more milliliters does the bowl hold?



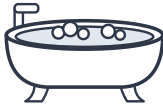
$$\underline{\quad} \bigcirc \underline{\quad} = \underline{\quad}$$

_____ milliliters

Mass and Liquid Volume

Add, subtract, multiply or divide. Then solve.

1. A bathtub has **85** liters of water. Mom adds **37** more liters. How many liters of water are in the tub now?

$$\underline{\quad\quad} \bigcirc \underline{\quad\quad} = \underline{\quad\quad}$$


_____ liters

2. A box of books has a mass of **34** kilograms. Ben takes out **18** kilograms of books. How many kilograms are in the box now?

$$\underline{\quad\quad} \bigcirc \underline{\quad\quad} = \underline{\quad\quad}$$


_____ kilograms

3. A strawberry has a mass of **9** grams. How many grams do **7** strawberries have?

$$\underline{\quad\quad} \bigcirc \underline{\quad\quad} = \underline{\quad\quad}$$


_____ grams

4. A cooler holds **28** liters of juice. Coach pours it into jugs that hold **4** liters each. How many jugs does he fill?

$$\underline{\quad\quad} \bigcirc \underline{\quad\quad} = \underline{\quad\quad}$$


_____ jugs

5. A bag has **750** grams of rice. Dad cooks **280** grams. How many grams of rice are left?

$$\underline{\quad\quad} \bigcirc \underline{\quad\quad} = \underline{\quad\quad}$$


_____ grams

6. A sandwich has a mass of **190** grams. An apple has a mass of **160** grams. What is their total mass in grams?

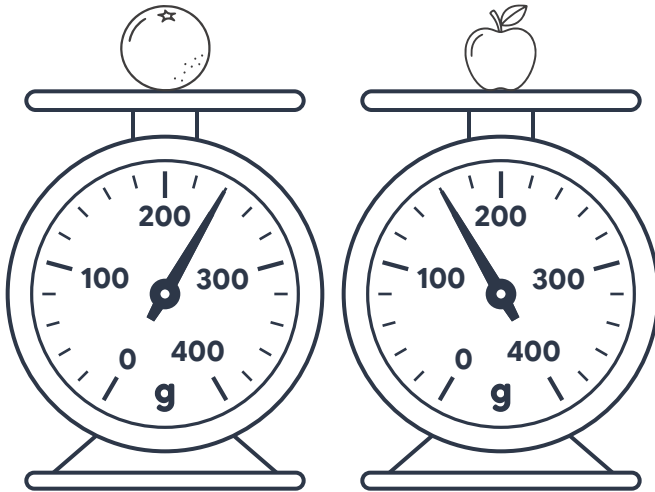
$$\underline{\quad\quad} \bigcirc \underline{\quad\quad} = \underline{\quad\quad}$$


_____ grams

Mass and Liquid Volume

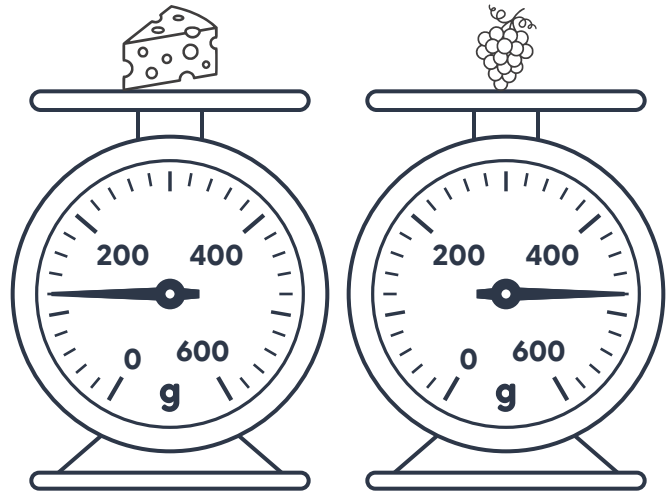
Read the scales. Add or subtract to solve.

Example How much more mass does the orange have than the apple?



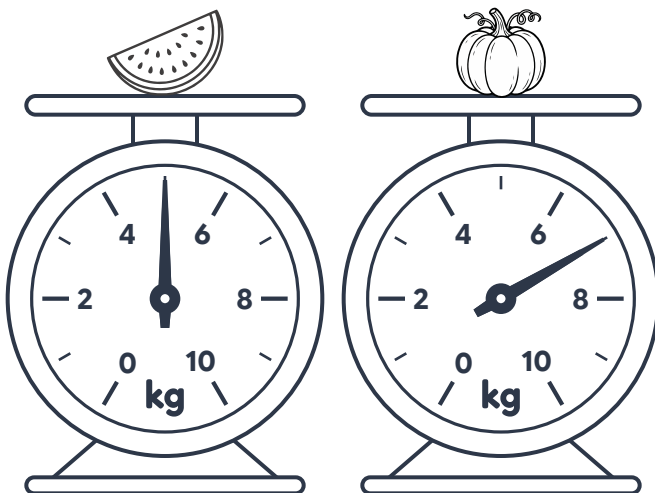
$$240 - 160 = 80 \text{ g}$$

1. What is the total mass of the cheese and the grapes?



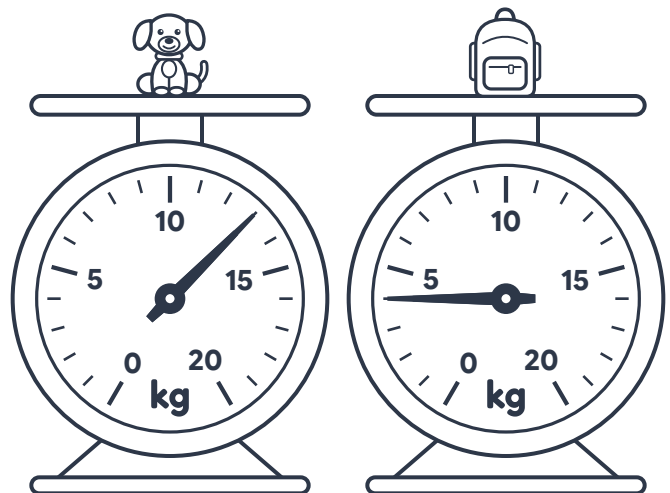
$$120 + 480 = 600 \text{ g}$$

2. What is the total mass of the watermelon and the pumpkin?



$$5 + 7 = 12 \text{ kg}$$

3. How much more mass does the puppy have than the backpack?

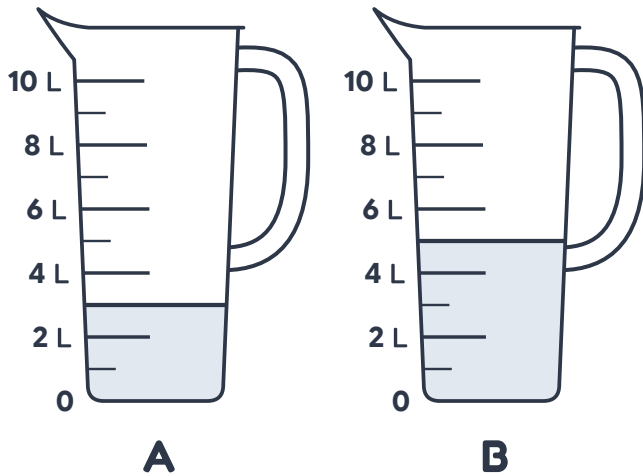


$$13 - 4 = 9 \text{ kg}$$

Mass and Liquid Volume

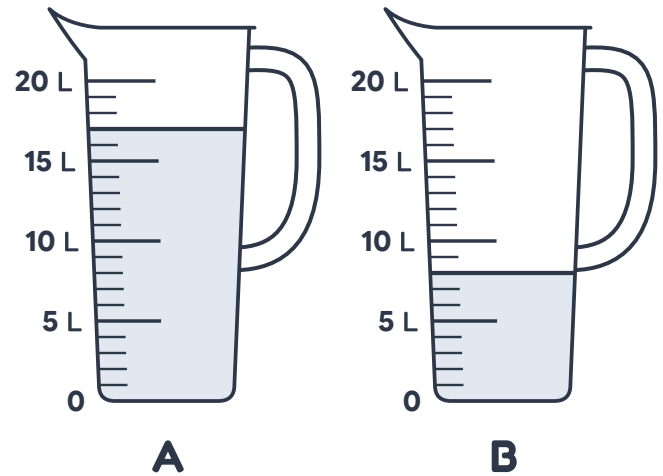
Read the jugs. Add or subtract to solve.

Example How many liters of water are in jugs A and B in all?



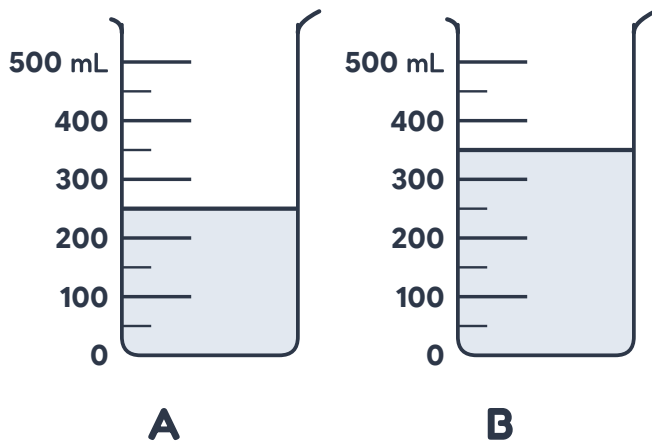
$$\underline{3} + \underline{5} = \underline{8} \text{ L}$$

1. How many more liters of water are in jug A than in jug B?



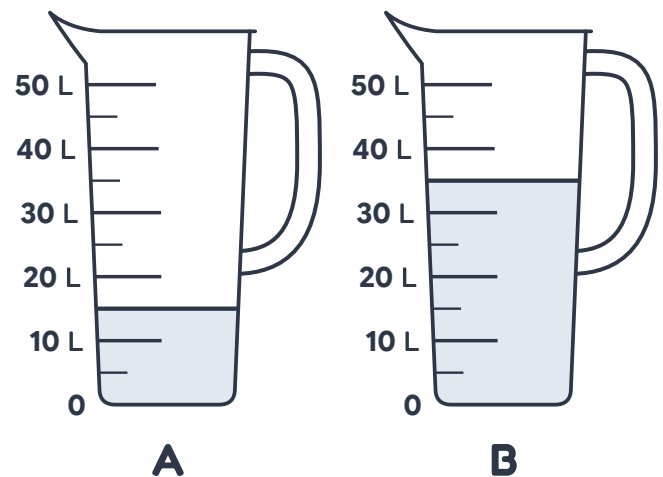
$$\underline{17} - \underline{8} = \underline{9} \text{ L}$$

2. How many milliliters of water are in beakers A and B in all?



$$\underline{250} + \underline{350} = \underline{600} \text{ mL}$$

3. How many more liters of water are in jug B than in jug A?



$$\underline{35} - \underline{15} = \underline{20} \text{ L}$$

Mass and Liquid Volume

Multiply or divide. Write the number sentence. Then solve.

Example Each sack of potatoes has a mass of 5 kilograms. How many kilograms do 4 sacks have?

$$\underline{4} \times \underline{5} = \underline{20}$$



20 kilograms

1. Ana has 18 liters of water. She pours the same amount into 6 bottles. How many liters go in each bottle?

$$\underline{18} \div \underline{6} = \underline{3}$$



3 liters

2. A tank has 40 liters of water. Each bucket holds 8 liters. How many buckets can be filled from the tank?

$$\underline{40} \div \underline{8} = \underline{5}$$



5 buckets

3. A pencil has a mass of 8 grams. How many grams do 6 pencils have?

$$\underline{6} \times \underline{8} = \underline{48}$$



48 grams

4. Dad has 24 kilograms of dog food. He puts the same amount into 3 bins. How many kilograms go in each bin?

$$\underline{24} \div \underline{3} = \underline{8}$$



8 kilograms

5. A pitcher holds 2 liters of lemonade. How many liters do 7 pitchers hold?

$$\underline{7} \times \underline{2} = \underline{14}$$



14 liters

Mass and Liquid Volume

Compare. Read the two bars, then solve.

Example



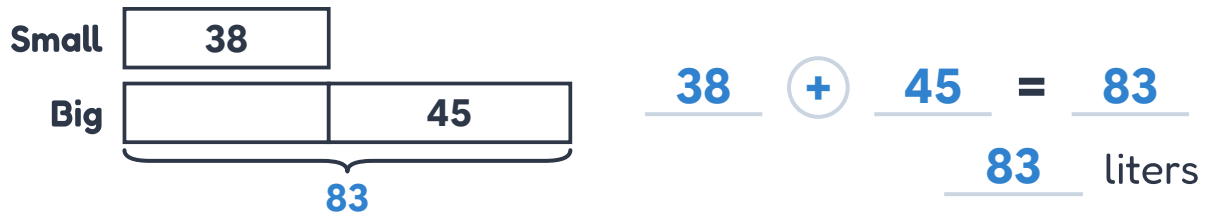
A dog has a mass of 32 kilograms. A cat has a mass of 5 kilograms. How much heavier is the dog?



1.



A small tank holds 38 liters. A big tank holds 45 liters more. How many liters does the big tank hold?



2.



A melon has a mass of 900 grams. An orange is 650 grams lighter. What is the mass of the orange in grams?



3.



A mug holds 325 milliliters. A bowl holds 600 milliliters. How many more milliliters does the bowl hold?

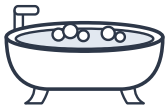


Mass and Liquid Volume

Add, subtract, multiply or divide. Then solve.

1. A bathtub has **85** liters of water. Mom adds **37** more liters. How many liters of water are in the tub now?

$$\underline{85} + \underline{37} = \underline{122}$$



122 liters

2. A box of books has a mass of **34** kilograms. Ben takes out **18** kilograms of books. How many kilograms are in the box now?

$$\underline{34} - \underline{18} = \underline{16}$$



16 kilograms

3. A strawberry has a mass of **9** grams. How many grams do **7** strawberries have?

$$\underline{7} \times \underline{9} = \underline{63}$$



63 grams

4. A cooler holds **28** liters of juice. Coach pours it into jugs that hold **4** liters each. How many jugs does he fill?

$$\underline{28} \div \underline{4} = \underline{7}$$



7 jugs

5. A bag has **750** grams of rice. Dad cooks **280** grams. How many grams of rice are left?

$$\underline{750} - \underline{280} = \underline{470}$$



470 grams

6. A sandwich has a mass of **190** grams. An apple has a mass of **160** grams. What is their total mass in grams?

$$\underline{190} + \underline{160} = \underline{350}$$



350 grams