

Dividing Whole Numbers

Unit Test, Form A (page 1 of 2)

Score _____ / 12

1. Divide.

$$18 \div 3 = \underline{\hspace{2cm}}$$

$$180 \div 30 = \underline{\hspace{2cm}}$$

$$1,800 \div 30 = \underline{\hspace{2cm}}$$

2. What number goes in each box?

$$\boxed{\hspace{2cm}} \div 80 = 80$$

$$6,300 \div \boxed{\hspace{2cm}} = 90$$

3. Estimate with compatible numbers. Is it reasonable?

$$1,634 \div 38 = 43 \quad \text{Yes} \quad \text{No}$$

$$\text{Estimate } \underline{\hspace{2cm}} \div \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

$$5,917 \div 61 = 970 \quad \text{Yes} \quad \text{No}$$

$$\text{Estimate } \underline{\hspace{2cm}} \div \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

4. Write the missing sides. Then divide.

14	2,800	700	<u> </u>
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$$3,542 \div 14 = \underline{\hspace{2cm}}$$

5. Divide with partial quotients.

16	1	4	7	9	R	_____

6. Divide. Write the remainder.

18	1	5	6	3	R	_____

Unit Test, Form A (page 2 of 2)

Too big Too small Just right

11,968 ÷ 17 74 704 740

[illegible]

_____ cabins
campers

shelves

a. **b.**

Dividing Whole Numbers

Unit Test, Form B (page 1 of 2)

Score _____ / 12

1. Divide.

$$10 \div 2 = \underline{\hspace{2cm}}$$

$$100 \div 20 = \underline{\hspace{2cm}}$$

$$1,000 \div 20 = \underline{\hspace{2cm}}$$

2. What number goes in each box?

$$\boxed{\hspace{2cm}} \div 90 = 90$$

$$1,200 \div \boxed{\hspace{2cm}} = 30$$

3. Estimate with compatible numbers. Is it reasonable?

$$2,430 \div 45 = 540 \quad \text{Yes} \quad \text{No}$$

$$\text{Estimate } \underline{\hspace{2cm}} \div \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

$$2,976 \div 31 = 96 \quad \text{Yes} \quad \text{No}$$

$$\text{Estimate } \underline{\hspace{2cm}} \div \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

4. Write the missing sides. Then divide.

17	1,700	510	<u> </u>
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$$2,312 \div 17 = \underline{\hspace{2cm}}$$

5. Divide with partial quotients.

22	1	8	5	2	R <u> </u>

6. Divide. Write the remainder.

24	2	0	4	5	R <u> </u>

Dividing Whole Numbers

Unit Test, Form B (page 2 of 2)

7. Circle one. Write the right digit.

245 ÷ 62 Try 4 Digit _____

Too big Too small Just right

8. Circle the quotient.

10,542 ÷ 21 | 502 52 520

9. Divide. Write the remainder.

15	)	7	5	6	3	R	_____

10. **290** students go to a concert.

Each van holds **12** students. How many vans do they need? How many students ride in the van that is not full?

_____ vans
_____ students

11. A bakery made **960** cookies and sold **288** of them. It packs the rest in bags of **21**. How many bags does it fill?

_____ bags

12. Write each answer in the form that fits the story.

a. **18** scouts share **24** pies equally. How much pie does each get?

b. **25** players share **\$85** equally. How much money does each get?

a. _____ b. _____

Dividing Whole Numbers

Unit Test, Form A (page 1 of 2)

Score _____ / 12

1. Divide.

$$\begin{array}{r} 18 \div 3 = \underline{6} \\ 180 \div 30 = \underline{6} \\ 1,800 \div 30 = \underline{60} \end{array}$$

Lesson 4.1 · Divide by multiples of 10

2. What number goes in each box?

$$\begin{array}{r} \boxed{6,400} \div 80 = 80 \\ 6,300 \div \boxed{70} = 90 \end{array}$$

Lesson 4.1 · Divide by multiples of 10

3. Estimate with compatible numbers. Is it reasonable?

$$1,634 \div 38 = 43 \quad \text{Yes} \quad \text{No}$$

One way
Estimate $1,600 \div 40 = 40$

$$5,917 \div 61 = 970 \quad \text{Yes} \quad \text{No}$$

One way
Estimate $6,000 \div 60 = 100$

Lesson 4.2 · Estimate quotients

4. Write the missing sides. Then divide.

<u>200</u>	<u>50</u>	<u>3</u>
14 $\overline{) 2,800}$	$\overline{) 700}$	$\overline{) 42}$

$$3,542 \div 14 = \underline{253}$$

Lesson 4.3 · Area models and partial quotients

5. Divide with partial quotients.

		<u>9</u>	<u>2</u>	R <u>7</u>			
16	)	1	4	7	9		
		-	1	4	4	0	90
				3	9		
			-	3	2		2
					7		92

One way

Lesson 4.3 · Area models and partial quotients

6. Divide. Write the remainder.

		<u>8</u>	<u>6</u>	R <u>15</u>	
18	)	1	5	6	3
		-	1	4	4
			1	2	3
		-	1	0	8
			1	5	

Lesson 4.4 · The standard algorithm

Dividing Whole Numbers

Unit Test, Form A (page 2 of 2)

7. Circle one. Write the right digit.

$230 \div 37$ Try 5 Digit 6
Too big Too small Just right

Lesson 4.4 · The standard algorithm

8. Circle the quotient.

$11,968 \div 17$ | 74 704 740

Lesson 4.5 · Larger dividends and zeros in the quotient

9. Divide. Write the remainder.

		5	0	3	R	9
13	)	6	5	4	8	
-		6	5			
				4		
		-	0			
				4	8	
		-	3	9		
				9		

Lesson 4.5 · Larger dividends and zeros in the quotient

10. A camp has 218 campers. Each cabin holds 22 campers. How many cabins do they need? How many campers are in the cabin that is not full?

10 cabins
20 campers

Lesson 4.6 · What the remainder means

11. A library gets 384 new books and 432 used books. It puts 24 books on each shelf. How many shelves does it fill?

$384 + 432 = 816$
 $816 \div 24 = 34$

One way

34 shelves

Lesson 4.8 · Division stories

12. Write each answer in the form that fits the story.

a. 12 friends share 28 pizzas equally. How much pizza does each get?

b. 20 friends share \$90 equally. How much money does each get?

a mixed number,
or an equal
fraction

dollars and
cents

a. $2\frac{1}{3}$ b. \$4.50

Lesson 4.7 · Remainders as fractions and decimals

Dividing Whole Numbers

Unit Test, Form B (page 1 of 2)

Score _____ / 12

1. Divide.

$$\begin{array}{r} 10 \div 2 = \underline{5} \\ 100 \div 20 = \underline{5} \\ 1,000 \div 20 = \underline{50} \end{array}$$

Lesson 4.1 · Divide by multiples of 10

2. What number goes in each box?

$$\begin{array}{r} \boxed{8,100} \div 90 = 90 \\ 1,200 \div \boxed{40} = 30 \end{array}$$

Lesson 4.1 · Divide by multiples of 10

3. Estimate with compatible numbers. Is it reasonable?

$$2,430 \div 45 = 540 \quad \text{Yes} \quad \boxed{\text{No}}$$

One way
Estimate $2,500 \div 50 = 50$

$$2,976 \div 31 = 96 \quad \boxed{\text{Yes}} \quad \text{No}$$

One way
Estimate $3,000 \div 30 = 100$

Lesson 4.2 · Estimate quotients

4. Write the missing sides. Then divide.

	100	30	6
17	1,700	510	<u>102</u>

$$2,312 \div 17 = \underline{136}$$

Lesson 4.3 · Area models and partial quotients

5. Divide with partial quotients.

			8	4	R	4	
22	)	1	8	5	2		One way
-		1	7	6	0		80
				9	2		
			-	8	8		4
					4		84

Lesson 4.3 · Area models and partial quotients

6. Divide. Write the remainder.

			8	5	R	5
24	)	2	0	4	5	
-		1	9	2		
			1	2	5	
		-	1	2	0	
					5	

Lesson 4.4 · The standard algorithm

Dividing Whole Numbers

Unit Test, Form B (page 2 of 2)

7. Circle one. Write the right digit.

$245 \div 62$ Try 4 Digit 3
Too big Too small Just right

Lesson 4.4 · The standard algorithm

8. Circle the quotient.

$10,542 \div 21$ | 502 52 520

Lesson 4.5 · Larger dividends and zeros in the quotient

9. Divide. Write the remainder.

		5	0	4	R	3
15	)	7	5	6	3	
-		7	5			
				6		
		-		0		
				6	3	
		-		6	0	
					3	

Lesson 4.5 · Larger dividends and zeros in the quotient

10. 290 students go to a concert.

Each van holds 12 students. How many vans do they need? How many students ride in the van that is not full?

25 vans

2 students

Lesson 4.6 · What the remainder means

11. A bakery made 960 cookies and sold 288 of them. It packs the rest in bags of 21. How many bags does it fill?

$$960 - 288 = 672$$

$$672 \div 21 = 32$$

One way

32 bags

Lesson 4.8 · Division stories

12. Write each answer in the form that fits the story.

a. 18 scouts share 24 pies equally. How much pie does each get?

b. 25 players share \$85 equally. How much money does each get?

a mixed number,
or an equal
fraction

dollars and
cents

a. $1\frac{1}{3}$

b. \$3.40

Lesson 4.7 · Remainders as fractions and decimals