



At-home Work

Multiplying Unit Fractions with Numberline

Name: _____

Use the numberline to solve.



Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____

Arroll 2001-04

Name : _____

Score : _____

Teacher : _____

Date : _____

5 Minute Drill

- | | | | | |
|-----------------|-----------------|----------------|-----------------|-----------------|
| $55 \div 5 =$ | $144 \div 12 =$ | $14 \div 7 =$ | $36 \div 3 =$ | $24 \div 6 =$ |
| $110 \div 11 =$ | $40 \div 4 =$ | $60 \div 12 =$ | $8 \div 2 =$ | $60 \div 6 =$ |
| $120 \div 12 =$ | $24 \div 2 =$ | $4 \div 2 =$ | $96 \div 12 =$ | $5 \div 1 =$ |
| $9 \div 3 =$ | $108 \div 12 =$ | $12 \div 6 =$ | $15 \div 3 =$ | $121 \div 11 =$ |
| $63 \div 7 =$ | $12 \div 1 =$ | $27 \div 9 =$ | $99 \div 11 =$ | $45 \div 9 =$ |
| $35 \div 7 =$ | $12 \div 3 =$ | $8 \div 1 =$ | $54 \div 9 =$ | $24 \div 12 =$ |
| $77 \div 7 =$ | $99 \div 9 =$ | $84 \div 12 =$ | $24 \div 12 =$ | $9 \div 1 =$ |
| $45 \div 5 =$ | $42 \div 6 =$ | $33 \div 3 =$ | $56 \div 7 =$ | $50 \div 5 =$ |
| $44 \div 4 =$ | $36 \div 12 =$ | $10 \div 1 =$ | $64 \div 8 =$ | $4 \div 2 =$ |
| $35 \div 5 =$ | $56 \div 8 =$ | $18 \div 2 =$ | $80 \div 10 =$ | $110 \div 10 =$ |
| $18 \div 9 =$ | $7 \div 1 =$ | $50 \div 10 =$ | $30 \div 6 =$ | $10 \div 2 =$ |
| $49 \div 7 =$ | $6 \div 3 =$ | $88 \div 8 =$ | $66 \div 11 =$ | $42 \div 7 =$ |
| $60 \div 10 =$ | $70 \div 7 =$ | $40 \div 5 =$ | $88 \div 11 =$ | $100 \div 10 =$ |
| $36 \div 9 =$ | $30 \div 5 =$ | $90 \div 9 =$ | $90 \div 10 =$ | $55 \div 11 =$ |
| $54 \div 6 =$ | $63 \div 9 =$ | $77 \div 11 =$ | $80 \div 8 =$ | $24 \div 8 =$ |
| $2 \div 1 =$ | $72 \div 12 =$ | $40 \div 10 =$ | $132 \div 11 =$ | $20 \div 10 =$ |
| $10 \div 5 =$ | $28 \div 7 =$ | $72 \div 6 =$ | $2 \div 1 =$ | $28 \div 4 =$ |
| $8 \div 4 =$ | $48 \div 8 =$ | $33 \div 11 =$ | $22 \div 2 =$ | $30 \div 3 =$ |
| $60 \div 5 =$ | $6 \div 2 =$ | $66 \div 6 =$ | $3 \div 1 =$ | $84 \div 7 =$ |
| $32 \div 4 =$ | $11 \div 1 =$ | $16 \div 4 =$ | $22 \div 11 =$ | $24 \div 4 =$ |



Name _____

Date _____

1. Draw a tape diagram to represent

$$\frac{3}{4} + \frac{3}{4} + \frac{3}{4} + \frac{3}{4}$$

2. Draw a tape diagram to represent

$$\frac{7}{12} + \frac{7}{12} + \frac{7}{12}$$

Write a multiplication expression equal to

$$\frac{3}{4} + \frac{3}{4} + \frac{3}{4} + \frac{3}{4}$$

Write a multiplication expression equal to

$$\frac{7}{12} + \frac{7}{12} + \frac{7}{12}$$

3. Rewrite each repeated addition problem as a multiplication problem, and solve. Express the result as a mixed number. The first one has been started for you.

a. $\frac{7}{5} + \frac{7}{5} + \frac{7}{5} + \frac{7}{5} = 4 \times \frac{7}{5} = \frac{4 \times 7}{5} =$

b. $\frac{9}{10} + \frac{9}{10} + \frac{9}{10}$

c. $\frac{11}{12} + \frac{11}{12} + \frac{11}{12} + \frac{11}{12} + \frac{11}{12}$

4. Solve using any method. Express your answers as whole or mixed numbers.

a. $8 \times \frac{2}{3}$

b. $12 \times \frac{3}{4}$

c. $50 \times \frac{4}{5}$

d. $26 \times \frac{7}{8}$

5. Morgan poured $\frac{9}{10}$ liter of punch into each of 6 bottles. How many liters of punch did she pour in all?

6. A recipe calls for $\frac{3}{4}$ cup rice. How many cups of rice are needed to make the recipe 14 times?

7. A butcher prepared 120 sausages using $\frac{3}{8}$ pound of meat for each. How many pounds did he use in all?

Name _____

Date _____

1. Draw tape diagrams to show two ways to represent 2 units of $4\frac{2}{3}$.

Write a multiplication expression to match each tape diagram.

2. Solve the following using the distributive property. The first one has been done for you. (As soon as you are ready, you may omit the step that is in line 2.)

<p>a. $3 \times 6\frac{4}{5} = 3 \times \left(6 + \frac{4}{5}\right)$</p> $= (3 \times 6) + \left(3 \times \frac{4}{5}\right)$ $= 18 + \frac{12}{5}$ $= 18 + 2\frac{2}{5}$ $= 20\frac{2}{5}$	<p>b. $2 \times 4\frac{2}{3}$</p>
<p>c. $3 \times 2\frac{5}{8}$</p>	<p>d. $2 \times 4\frac{7}{10}$</p>

e. $3 \times 7\frac{3}{4}$	f. $6 \times 3\frac{1}{2}$
g. $4 \times 9\frac{1}{5}$	h. $5\frac{6}{8} \times 4$

3. For one dance costume, Saisha needs $4\frac{2}{3}$ feet of ribbon. How much ribbon does she need for 5 identical costumes?

4. A piece of blue yarn is $5\frac{2}{3}$ yards long. A piece of pink yarn is 5 times as long as the blue yarn. Bailey tied them together with a knot that used $\frac{1}{3}$ yard from each piece of yarn. What is the total length of the yarn tied together?
5. A truck driver drove $35\frac{2}{10}$ miles before he stopped for breakfast. He then drove 5 times as far before he stopped for lunch. How far did he drive that day before his lunch break?
6. Mr. Washington's motorcycle needs $5\frac{5}{10}$ gallons of gas to fill the tank. His van needs 5 times as much gas to fill it. If Mr. Washington pays \$3 per gallon for gas, how much will it cost him to fill both the motorcycle and the van?