



**THIRD SPACE
LEARNING**

Fractions of Numbers Worksheet

Number and Quantity
4.NF.B.4a, 4.NF.B.4b

Grades 4 to 5

Skill Questions

Name:

Date:

1 Solve $\frac{1}{2}$ of 60

Answer

2 Solve $\frac{1}{3}$ of 150

Answer

3 Solve $\frac{1}{10}$ of 180

Answer

4 Solve $\frac{1}{5}$ of 200

Answer

5 Solve $\frac{3}{7}$ of 70

Answer

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6 Solve $\frac{1}{3}$ of 24.9

Answer

7 Solve $\frac{1}{4}$ of 25.6

Answer

8 Solve $\frac{1}{5}$ of 36.6

Answer

9 Solve $\frac{5}{6}$ of 38.4

Answer

10 Solve $\frac{2}{5}$ of 46.5

Answer

Applied Questions

- 11 A college has 420 students. $\frac{3}{5}$ of the students are studying science. How many students are studying science?

Answer

- 12 $\frac{3}{4}$ of a number is 24. What is the number?

Answer

- 13 A barrel can hold 80 gallons of water. Water is poured into the barrel until it is $\frac{5}{8}$ full. How much water is in the barrel?

Answer

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- 14 A coat normally costs \$39. It is on sale for $\frac{1}{3}$ of the price. What is the new price of the coat?

Answer

- 15 There are 268 coins in a bottle. $\frac{1}{4}$ of the coins are pennies. 86 of the coins are nickels. The rest of the coins are quarters. Find the value of the 268 coins. Show your work.

Answer

Answers

Question number	Question	Answers	Standard
1	Solve $\frac{1}{2}$ of 60	30	4.NF.B.4b 4.NF.B.4a
2	Solve $\frac{1}{3}$ of 150	50	4.NF.B.4b 4.NF.B.4a
3	Solve $\frac{1}{10}$ of 180	18	4.NF.B.4b 4.NF.B.4a
4	Solve $\frac{1}{5}$ of 200	40	4.NF.B.4b 4.NF.B.4a
5	Solve $\frac{3}{7}$ of 70	30	4.NF.B.4b 4.NF.B.4a
6	Solve $\frac{1}{3}$ of 24.9	8.3	4.NF.B.4b 4.NF.B.4a
7	Solve $\frac{1}{4}$ of 25.6	6.4	4.NF.B.4b 4.NF.B.4a
8	Solve $\frac{1}{5}$ of 36.6	7.32	4.NF.B.4b 4.NF.B.4a
9	Solve $\frac{5}{6}$ of 38.4	32	4.NF.B.4b 4.NF.B.4a
10	Solve $\frac{2}{5}$ of 46.5	18.6	4.NF.B.4b 4.NF.B.4a
11	A college has 420 students. $\frac{3}{5}$ of the students are studying science. How many students are studying science?	252 students	4.NF.B.4b 4.NF.B.4a

Fractions of Numbers Worksheet | Grades 4 to 5 | Answers




Question number	Question	Answers	Standard
12	$\frac{3}{4}$ of a number is 24. What is the number?	32	4.NF.B.4b 4.NF.B.4a
13	A barrel can hold 80 gallons of water. Water is poured into the barrel until it is $\frac{5}{8}$ full. How much water is in the barrel?	50 gallons	4.NF.B.4b 4.NF.B.4a
14	A coat normally costs \$39. It is on sale for $\frac{1}{3}$ of the price. What is the new price of the coat?	\$13.00	4.NF.B.4b 4.NF.B.4a
15	There are 268 coins in a bottle. $\frac{1}{4}$ of the coins are pennies. 86 of the coins are nickels. The rest of the coins are quarters. Find the value of the 268 coins. Show your work.	<p>\$33.72</p> <p>$\frac{1}{4}$ of 268 = 67</p> <p>67 pennies \times 0.1 = 0.67</p> <p>86 nickels \times 0.05</p> <p>= 4.30</p> <p>67 pennies + 86 nickels</p> <p>= 153 coins</p> <p>268 total coins - 153</p> <p>pennies and nickels</p> <p>= 115 quarters</p> <p>115 quarters \times 0.25</p> <p>= 28.75</p> <p>\$28.75 + \$4.30 + \$0.67</p> <p>= \$33.72</p>	4.NF.B.4b 4.NF.B.4a

Do you have a group of students who need a boost in math?

Each student could receive a personalized lesson every week from our specialist one-on-one math tutors.

- ✓ Differentiated instruction for each student
- ✓ Aligned to your state's standard
- ✓ Scaffolded learning to close gaps

Speak to us

-  thirdspacelearning.com/us/
-  +1 929-298-4593
-  hello@thirdspacelearning.com



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