

# Fractions of Numbers Worksheet

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

Grades 4 to 5

# **Skill Questions**

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



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



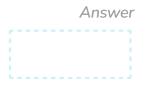
3 Solve  $\frac{1}{10}$  of 180



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



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



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



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



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



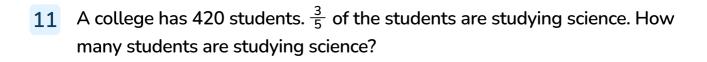
9 Solve  $\frac{5}{6}$  of 38.4



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

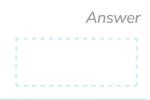


### **Applied Questions**





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



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?



#### Fractions of Numbers Worksheet | Grades 4 to 5

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?



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.

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#### **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 <sup>5</sup> / <sub>6</sub> 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.	\$33.72 $\frac{1}{4} \text{ of } 268 = 67$ 67 pennies x 0.1 = 0.67 86 nickels x 0.05 $= 4.30$ 67 pennies + 86 nickels $= 153 \text{ coins}$ 286 total coins - 153 pennies and nickels $= 115 \text{ quarters}$ 115 quarters x 0.25 $= 28.75$ \$28.75+\$4.30+\$0.67 $= $33.72$	4.NF.B.4b 4.NF.B.4a

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