



Fractions and tenths

Name: _____

Date: _____

Remember: $\frac{17}{10} = 1.7$. Dividing by 10 moves digits one place to the right: $6 \div 10 = 0.6$, $23 \div 10 = 2.3$. When numerators are the same, the **smaller** denominator gives the bigger fraction: $\frac{3}{4} > \frac{3}{8}$.

A. Tenths as fractions and decimals

1. $\frac{9}{10} =$ ____ (decimal)

2. $1.5 =$ ____ (fraction in tenths)

3. $\frac{28}{10} =$ ____ (decimal)

4. $2.3 =$ ____ (fraction in tenths)

B. Divide and multiply by 10

5. $5 \div 10 =$ ____

6. $74 \div 10 =$ ____

7. $41 \div 10 =$ ____

8. $1.5 \times 10 =$ ____

9. $3.8 \times 10 =$ ____

C. Compare fractions

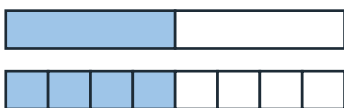
10. Which is bigger: $\frac{2}{8}$ or $\frac{2}{10}$?

11. Which is bigger: $\frac{5}{7}$ or $\frac{3}{7}$?

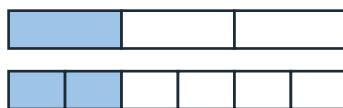
12. Order from smallest to largest: $\frac{1}{6}$, $\frac{1}{5}$, $\frac{1}{8}$, $\frac{1}{3}$

D. Equivalent fractions

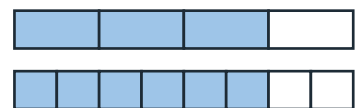
13. $\frac{1}{2} = \frac{\square}{8}$



14. $\frac{1}{3} = \frac{\square}{6}$



15. $\frac{3}{4} = \frac{\square}{8}$



E. Add and subtract tenths

16. $0.9 + 0.6 =$ ____

17. $0.6 + 0.2 =$ ____

18. $2.6 - 0.7 =$ ____

19. $3.4 - 0.6 =$ ____



F. Fractions of numbers

20. $\frac{1}{6}$ of 36 = ____

21. Ana ate $\frac{1}{4}$ of a bag of lollies. That was 9 lollies. How many were in the full bag?

22. $\frac{1}{5}$ of a number is 2. What is the number?

G. Explain

23. Hana says 0.8 is the same as $\frac{1}{8}$. Is she right? Explain.

24. Draw a picture to show that $\frac{2}{5} = \frac{4}{10}$.



1. 0.9
2. $\frac{15}{10}$
3. 2.8
4. $\frac{23}{10}$
5. 0.5
6. 7.4
7. 4.1
8. 15
9. 38
10. $\frac{2}{8}$
11. $\frac{5}{7}$
12. $\frac{1}{8}$, $\frac{1}{6}$, $\frac{1}{5}$, $\frac{1}{3}$
13. $\frac{4}{8}$
14. $\frac{2}{6}$
15. $\frac{6}{8}$
16. 1.5
17. 0.8
18. 1.9
19. 2.8
20. 6
21. 36
22. 10
23. No. $0.8 = \frac{8}{10}$, not $\frac{1}{8}$.
24. e.g. a bar split into 5 with 2 shaded, and the same bar split into 10 with 4 shaded – the shaded lengths match.