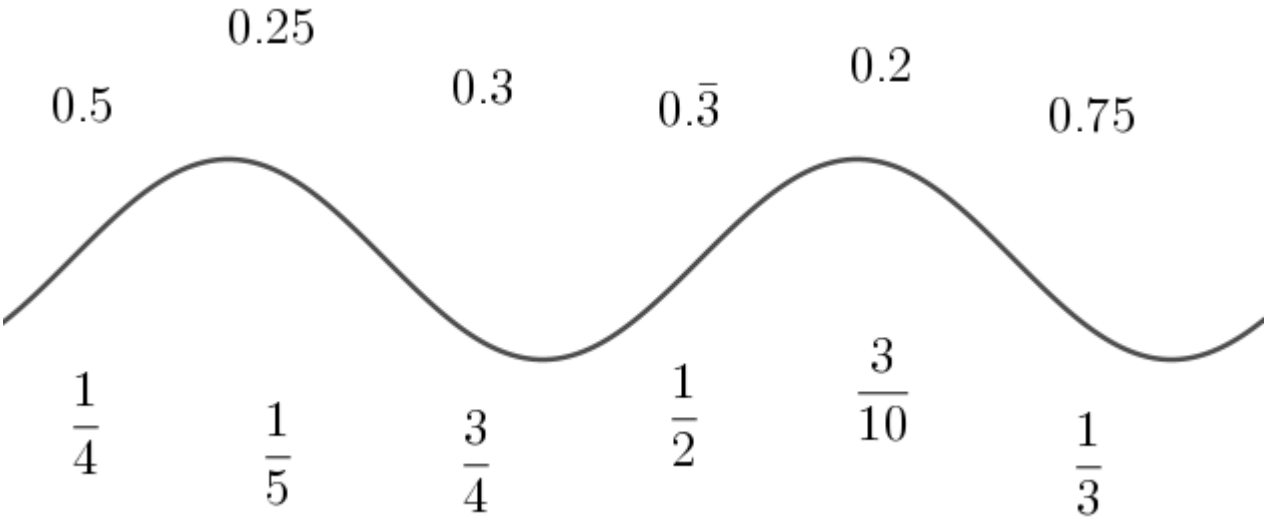
Grade 9 Numeracy Fraction Reference Page

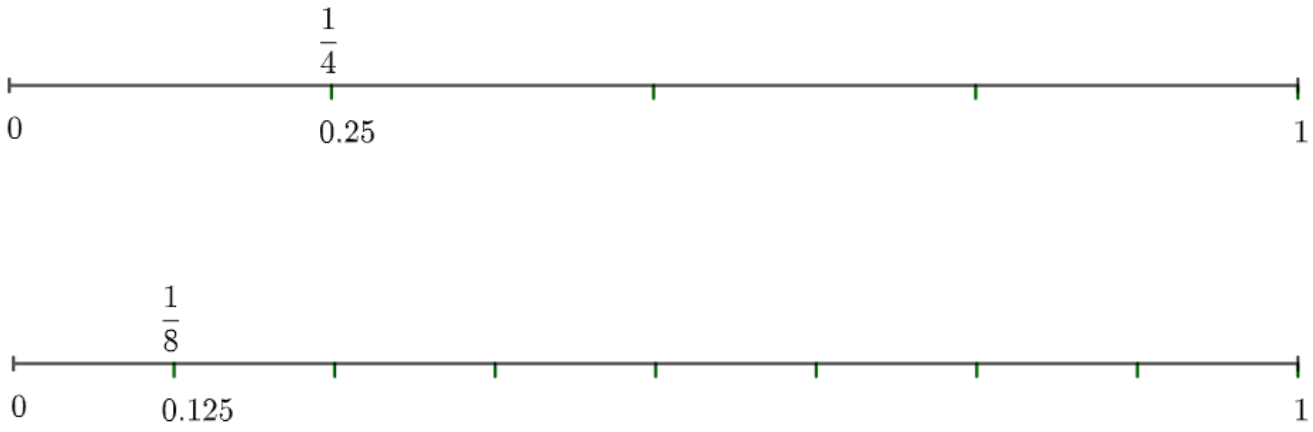
| | | | |
|---|---|---|---|
| ONE WHOLE |  | =1<br>=100% | |
| ONE HALF |  | =0.5<br>=50% | $\frac{1}{2}$ $\frac{1}{2}$ |
| ONE THIRD |  | =0.333<br>=33.3% | $\frac{1}{3}$ $\frac{1}{3}$ $\frac{1}{3}$ |
| ONE FOURTH |  | =0.25<br>=25% | $\frac{1}{4}$ $\frac{1}{4}$ $\frac{1}{4}$ $\frac{1}{4}$ |
| ONE FIFTH |  | =0.20<br>=20% | $\frac{1}{5}$ $\frac{1}{5}$ $\frac{1}{5}$ $\frac{1}{5}$ $\frac{1}{5}$ |
| ONE SIXTH |  | =0.166<br>=16.6% | $\frac{1}{6}$ $\frac{1}{6}$ $\frac{1}{6}$ $\frac{1}{6}$ $\frac{1}{6}$ $\frac{1}{6}$ |
| ONE SEVENTH |  | =0.142<br>=14.2% | $\frac{1}{7}$ $\frac{1}{7}$ $\frac{1}{7}$ $\frac{1}{7}$ $\frac{1}{7}$ $\frac{1}{7}$ $\frac{1}{7}$ |
| ONE EIGHTH |  | =0.125<br>=12.5% | $\frac{1}{8}$ $\frac{1}{8}$ $\frac{1}{8}$ $\frac{1}{8}$ $\frac{1}{8}$ $\frac{1}{8}$ $\frac{1}{8}$ $\frac{1}{8}$ |
| ONE NINTH |  | =0.111<br>=11.1% | $\frac{1}{9}$ $\frac{1}{9}$ $\frac{1}{9}$ $\frac{1}{9}$ $\frac{1}{9}$ $\frac{1}{9}$ $\frac{1}{9}$ $\frac{1}{9}$ $\frac{1}{9}$ |
| ONE TENTH |  | =0.10<br>=10% | $\frac{1}{10}$ $\frac{1}{10}$ $\frac{1}{10}$ $\frac{1}{10}$ $\frac{1}{10}$ $\frac{1}{10}$ $\frac{1}{10}$ $\frac{1}{10}$ $\frac{1}{10}$ $\frac{1}{10}$ |

Grade 9 Numeracy: Fractions (1)

1. Use a few colours. Colour code each fraction with its decimal equivalent




2. Complete the number lines, showing fractions on the top of the line, decimals under the line.

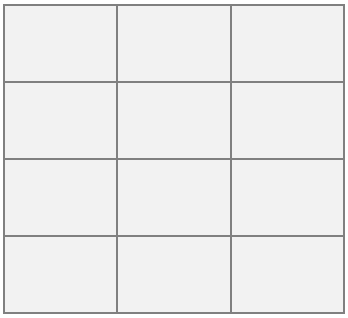





3. Calculate one tenth and nine tenths of these quantities:

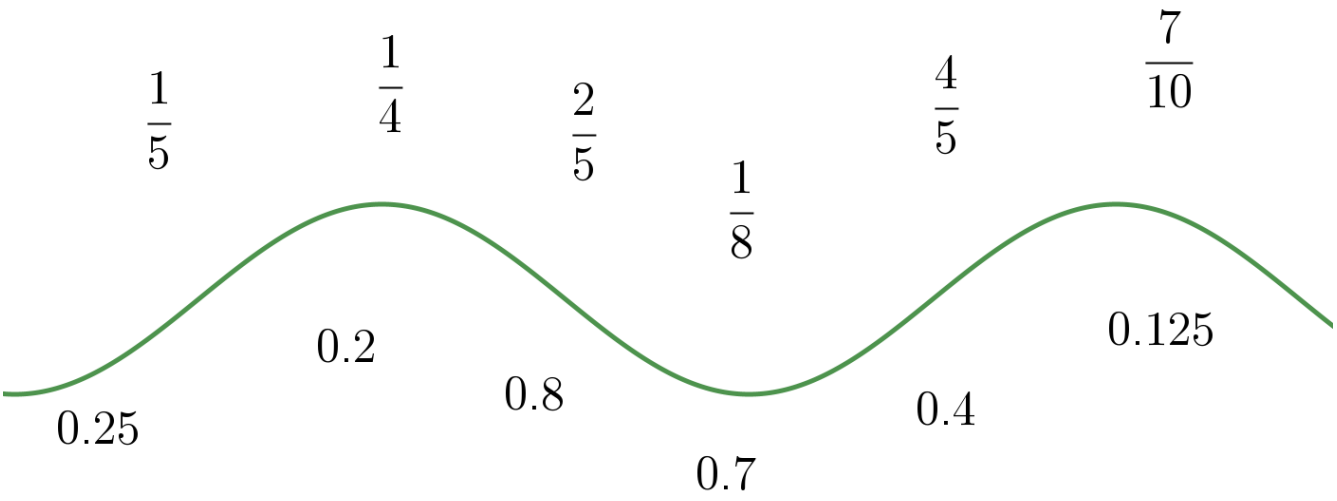
| Quantity | $\frac{1}{10}th$ | $\frac{9}{10}ths$ |
|---|---|---|
| $200 | | |
| $80 | | |
| $30 | | |
| 45 kg | | |
| 28 km | | |

4. Use one straight line to divide this rectangle into two parts: $\frac{1}{8}$ and $\frac{7}{8}$

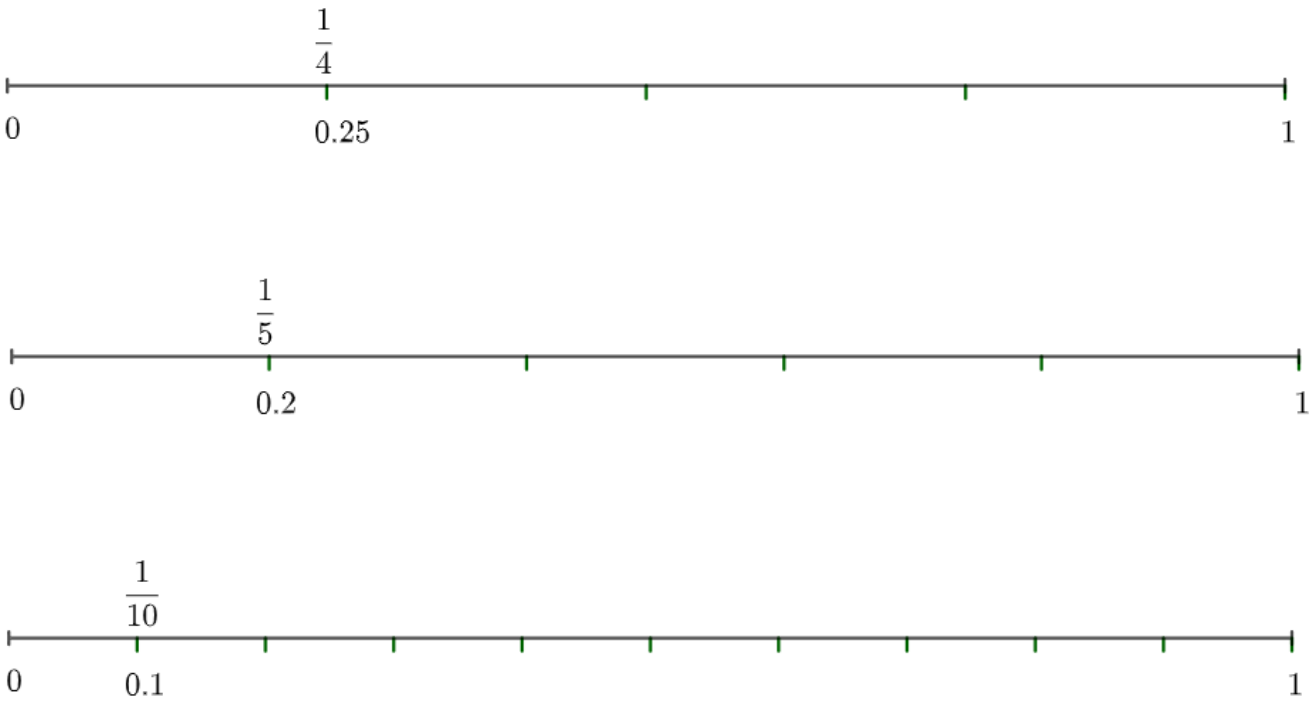


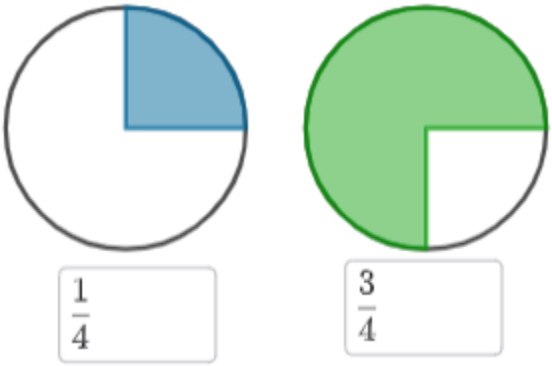
Grade 9 Numeracy: Fractions (2)

1. Use a few colours. Colour code each fraction with its decimal equivalent




2. Complete the number lines, showing fractions on the top of the line, decimals under the line.

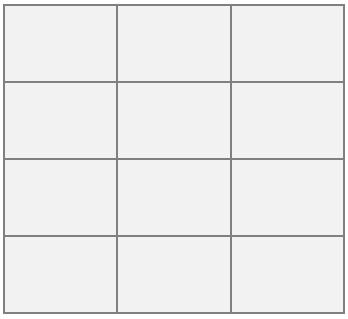





3. Calculate one quarter and three quarters of these quantities:

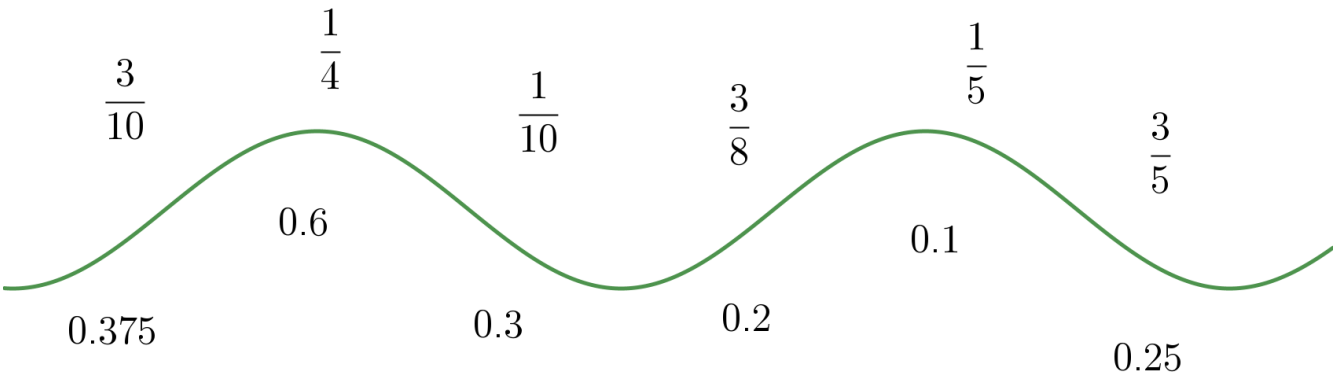
| Quantity | $\frac{1}{4}$ is worth... | $\frac{3}{4}$ is worth... |
|---|---|---|
| $200 | | |
| $80 | | |
| $120 | | |
| 44 kg | | |
| 28 km | | |

4. Use one straight line to divide this rectangle into two parts: $\frac{1}{6}$ and $\frac{5}{6}$

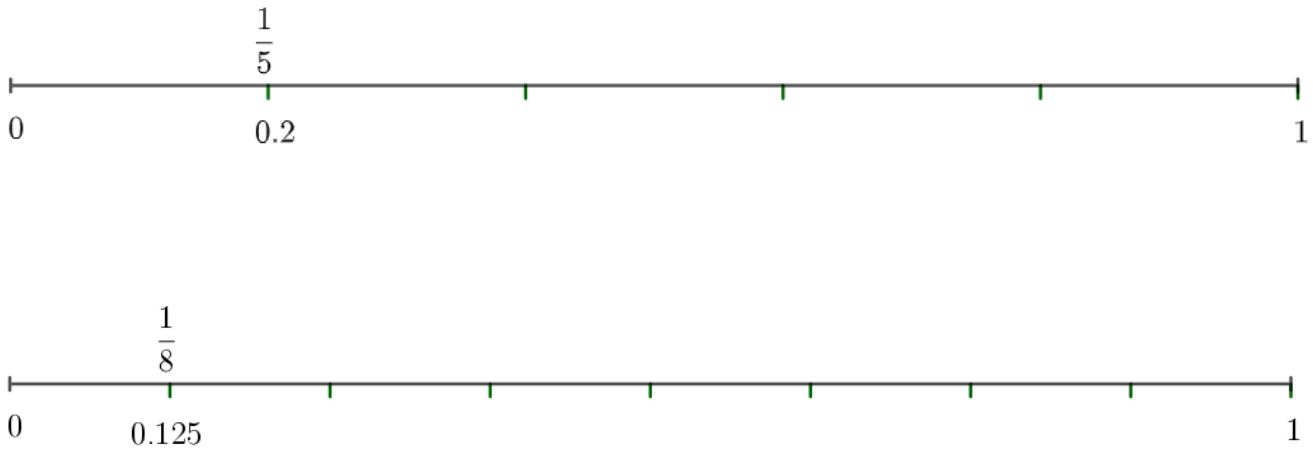


Grade 9 Numeracy: Fractions (3)

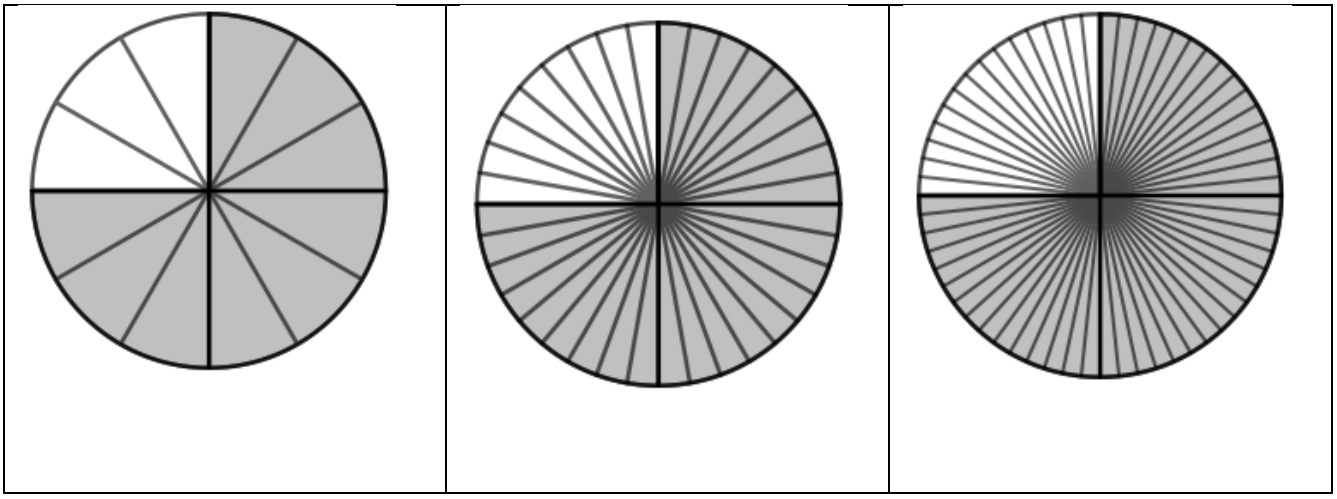
1. Use a few colours. Colour code each fraction with its decimal equivalent




2. Complete the number lines, showing fractions on the top of the line, decimals under the line.



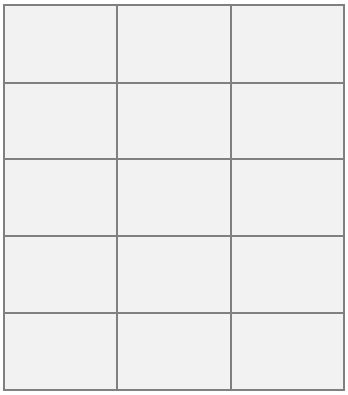
3. Write the fraction equivalent to $\frac{3}{4}$ shown in each diagram.



4. Calculate one quarter and three quarters of these quantities:

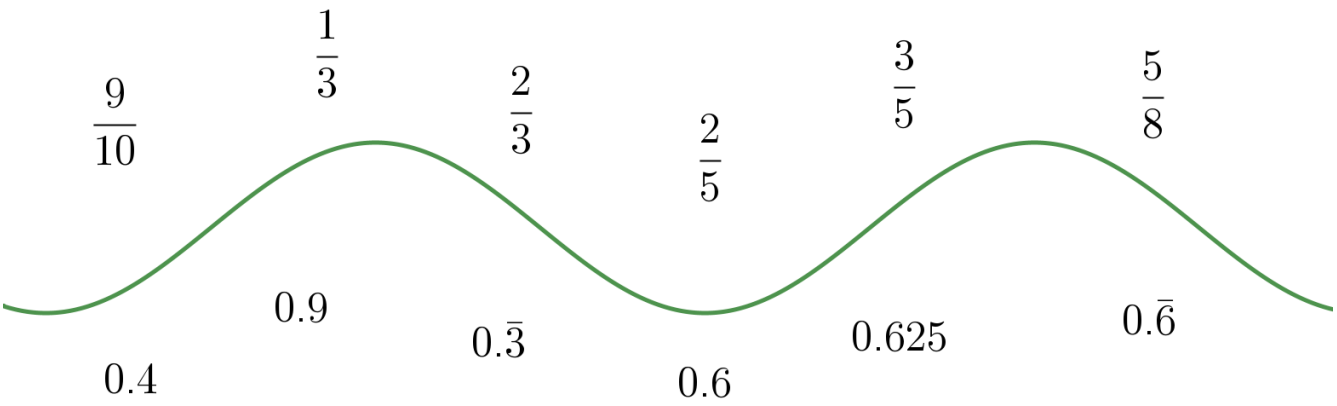
| Quantity | $\frac{1}{4}$ is worth... | $\frac{3}{4}$ is worth... |
|---|---|---|
| $84 | | |
| $48 | | |
| $60 | | |
| 12 kg | | |
| 36 km | | |

5. Use one straight line to divide this rectangle into two parts: $\frac{3}{10}$ and $\frac{7}{10}$

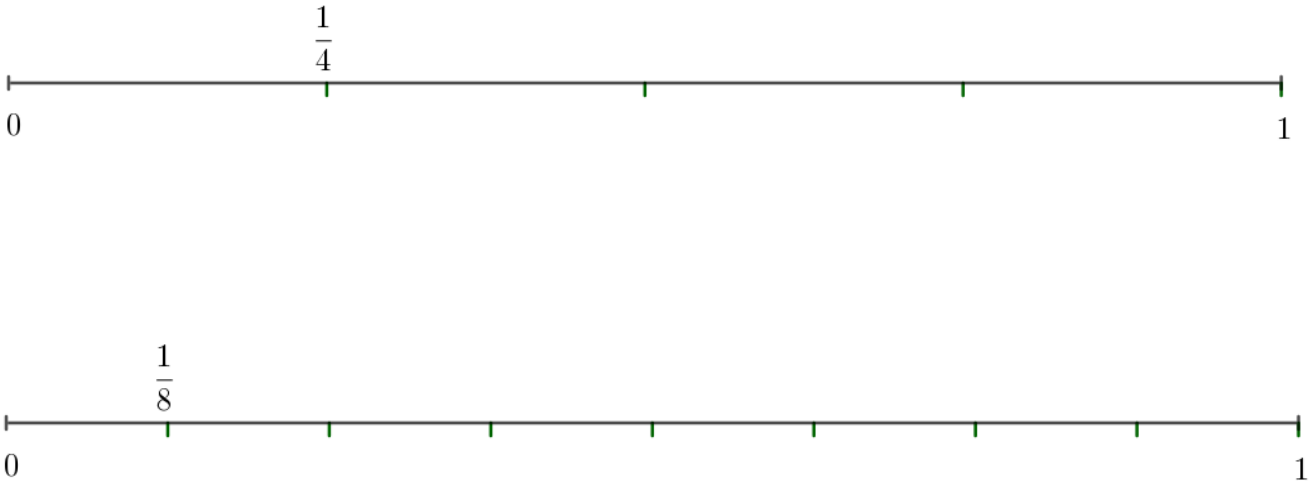


Grade 9 Numeracy: Fractions (4)

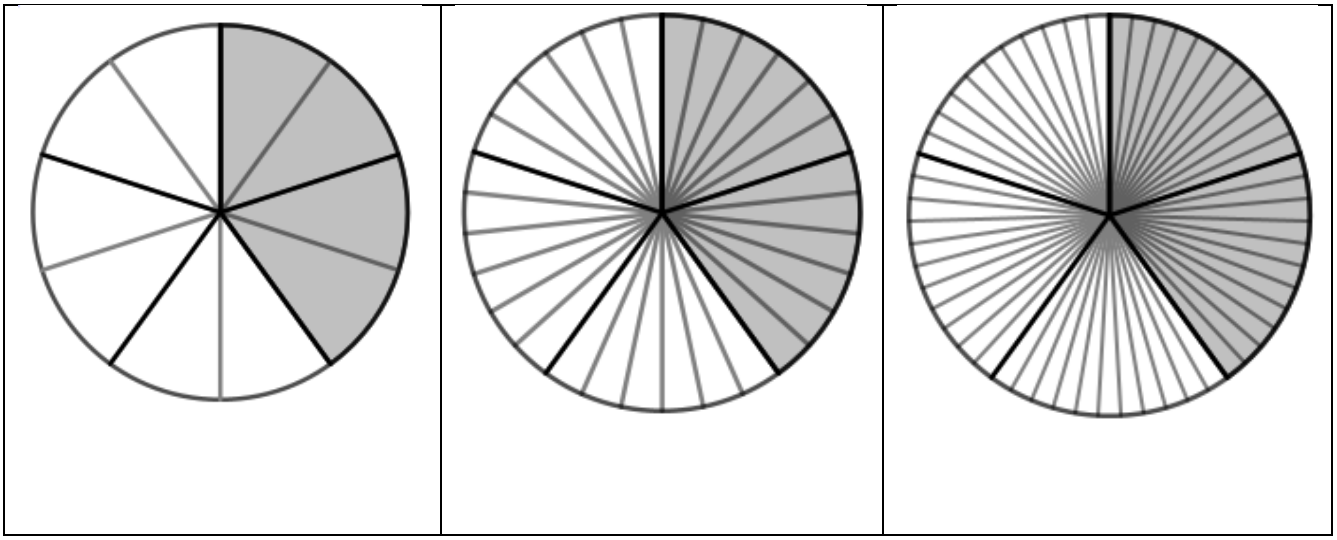
1. Use a few colours. Colour code each fraction with its decimal equivalent




2. Complete the number lines, showing fractions on the top of the line, decimals under the line.



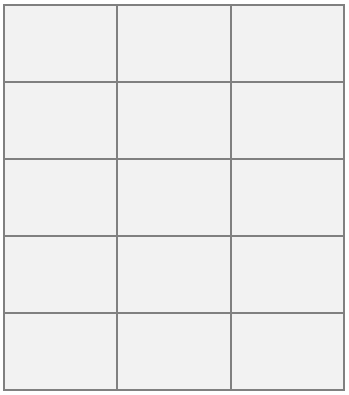
3. Write the fraction equivalent to $\frac{2}{5}$ shown in each diagram.



4. Calculate one quarter and three quarters of these quantities:

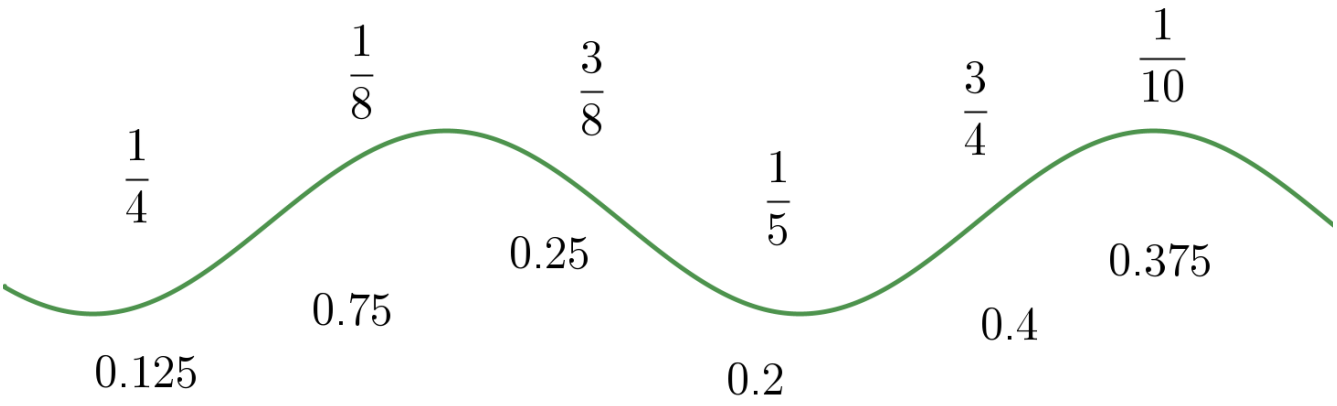
| Quantity | $\frac{1}{5}$ is worth... | $\frac{2}{5}$ is worth... |
|---|---|---|
| $30 | | |
| $45 | | |
| $55 | | |
| 10 kg | | |
| 5 km | | |

5. Use one straight line to divide this rectangle into two parts: $\frac{1}{15}$ and $\frac{14}{15}$

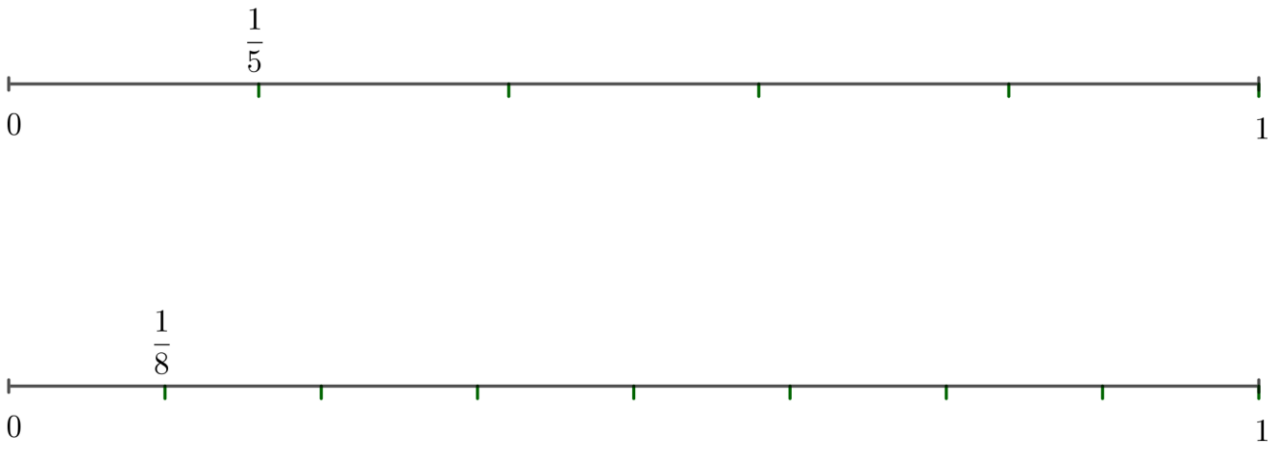


Grade 9 Numeracy: Fractions (5) QUIZ

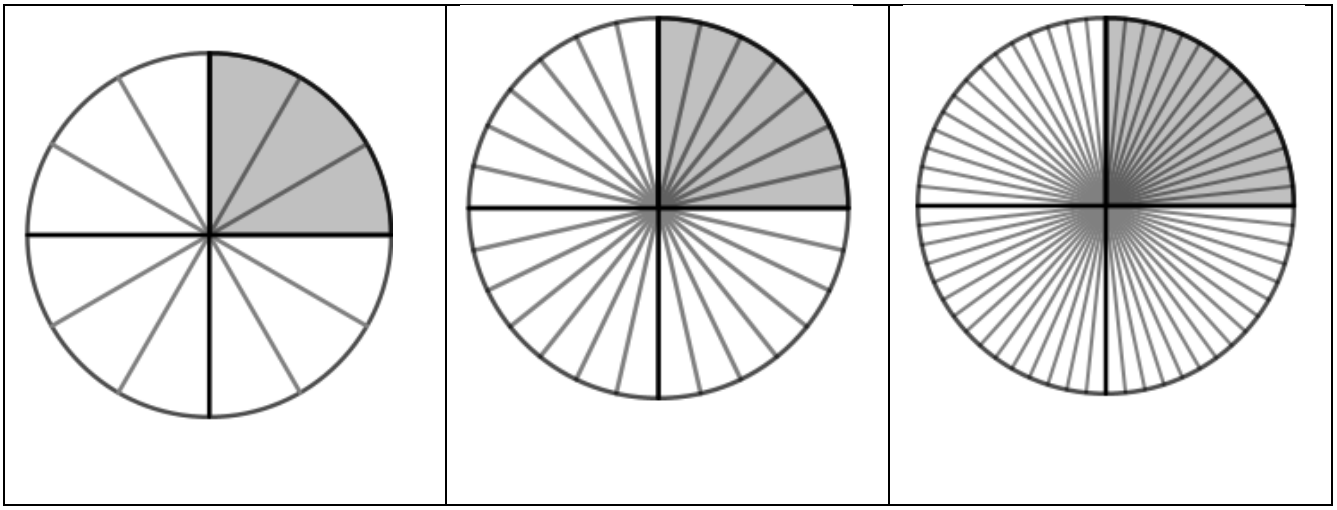
1. Use a few colours. Colour code each fraction with its decimal equivalent




2. Complete the number lines, showing fractions on the top of the line, decimals under the line.



3. Write the fraction equivalent to $\frac{1}{4}$ shown in each diagram.



4. Calculate one quarter and three quarters of these quantities:

| Quantity | $\frac{1}{4}$ is worth... | $\frac{3}{4}$ is worth... |
|---|---|---|
| $12 | | |
| $28 | | |
| $60 | | |
| 20 kg | | |
| 100 km | | |

5. Use one straight line to divide this rectangle into two parts: $\frac{3}{16}$ and $\frac{13}{16}$

