Year 5 Maths – Measurement - Length – Home / School Learning, Week B

Converting Units of Length

Learning Intention:
Students will:

- ***Be able to convert units of length between millimetres (mm), centimetres (cm), metres (m) and kilometres (km)***

When measuring and converting length it is important to remember:

1cm = 10 mm

1m = 100cm

1km = 1000m

Tasks – Complete 'Converting between units of length sheets (sheet 1 and sheet 2)

- Complete study ladder tasks relating to length and converting length.

Metric units of length: kilometers, meters, centimeters and millimeters

Grade 5 Measurement Worksheet

Note: 1 kilometer (km) = 1,000 meter (m)
1 m = 100 centimeters (cm) = 1,000 millimeters (mm)

Convert to the units shown:

1. 55 m = _____ cm
2. 99 m = _____ cm
3. 72 m = _____ cm
4. 20 m = _____ cm
5. 46 m = _____ cm
6. 39 cm = _____ mm
7. 63 m = _____ mm
8. 86 m = _____ mm
9. 44 cm = _____ mm
10. 96 cm = _____ mm

Convert to the units shown:

11. 8,000 cm = _____ m
12. 4,000 mm = _____ cm
13. 2,000 cm = _____ m
14. 2,000 mm = _____ m
15. 3,000 mm = _____ cm
16. 7,000 cm = _____ m
17. 3,000 cm = _____ m
18. 6,000 mm = _____ cm
19. 5,000 cm = _____ m
20. 1,000 mm = _____ cm

Metric units of length: kilometers, meters, centimeters and millimeters

Grade 5 Measurement Worksheet

Note: 1 kilometer (km) = 1,000 meter (m)
1 m = 100 centimeters (cm) = 1,000 millimeters (mm)

Convert to the units shown:

1. 91 cm = _____ mm
2. 37 m = _____ cm
3. 81 m = _____ cm
4. 92 m = _____ mm
5. 12 cm = _____ mm
6. 17 m = _____ cm
7. 52 m = _____ cm
8. 15 m = _____ mm
9. 10 m = _____ cm
10. 51 m = _____ cm

Convert to the units shown:

11. 6,000 mm = _____ cm
12. 2,000 mm = _____ cm
13. 5,000 mm = _____ m
14. 2,000 cm = _____ m
15. 5,000 mm = _____ cm
16. 6,000 cm = _____ m
17. 7,000 mm = _____ m
18. 7,000 mm = _____ cm
19. 1,000 cm = _____ m
20. 1,000 mm = _____ cm

Year 5 Maths – Number – Fractions and Decimals
Home / School Learning, Week B

Week B – Fractions and Decimals

Learning Intention:
Students will:

- ***convert between mixed fractions and improper fractions***

When writing an equation in addition and subtraction we know that when we know one fact we actually know four facts:

A ***Mixed Fraction*** is where a number is written with both whole numbers and fractions

eg – **3 ½**

A ***Improper Fraction*** is where the fraction is written with the numerator larger than the denominator

eg – $\frac{7}{2}$

When converting from a mixed fraction to an improper fraction – ***multiply the whole number by the denominator and then add the numerator***

so to convert:

3 ½ I would do the whole number **(3)** times the denominator **(2)** and then add the numerator **(1)** to get (3x2+1=) $\frac{7}{2}$

When converting from an improper fraction to a mixed fraction – ***divide the numerator by the denominator. The whole number is the divisor and the remainder becomes the numerator.***

so to convert:

$\frac{7}{2}$ I would do the numerator divided by the denominator **(7 ÷ 2)** the whole number becomes the divisor **(3)** and the remainder becomes the numerator **(1)**. The denominator stays the same **(2)** so you would get: **3 ½**

Tasks – Complete 'convert mixed numbers to improper fractions' and 'convert improper fractions to mixed numbers' sheets (sheet 1, sheet 2) Sheet 3 is a matching game you may print and play.

- Complete study ladder tasks relating to fractions and decimals

Convert mixed numbers to improper fractions

Grade 5 Fractions Worksheet

Convert.

1. $7\frac{3}{5} =$ _____
2. $6\frac{5}{8} =$ _____
3. $9\frac{2}{10} =$ _____
4. $2\frac{2}{4} =$ _____
5. $6\frac{1}{9} =$ _____
6. $5\frac{5}{7} =$ _____
7. $3\frac{1}{8} =$ _____
8. $3\frac{3}{12} =$ _____
9. $6\frac{1}{11} =$ _____
10. $4\frac{3}{4} =$ _____
11. $8\frac{9}{12} =$ _____
12. $9\frac{2}{8} =$ _____
13. $5\frac{8}{11} =$ _____
14. $3\frac{6}{9} =$ _____
15. $5\frac{10}{11} =$ _____
16. $6\frac{5}{6} =$ _____
17. $9\frac{1}{2} =$ _____
18. $7\frac{9}{10} =$ _____
19. $5\frac{1}{5} =$ _____
20. $8\frac{5}{10} =$ _____
21. $8\frac{2}{4} =$ _____

Convert improper fractions to mixed numbers

Grade 5 Fractions Worksheet

Convert.

1. $\frac{113}{12}$ = _____
2. $\frac{19}{2}$ = _____
3. $\frac{36}{10}$ = _____
4. $\frac{75}{12}$ = _____
5. $\frac{50}{8}$ = _____
6. $\frac{52}{10}$ = _____
7. $\frac{13}{3}$ = _____
8. $\frac{39}{4}$ = _____
9. $\frac{68}{10}$ = _____
10. $\frac{27}{5}$ = _____
11. $\frac{53}{8}$ = _____
12. $\frac{72}{10}$ = _____
13. $\frac{11}{2}$ = _____
14. $\frac{45}{8}$ = _____
15. $\frac{42}{5}$ = _____
16. $\frac{15}{6}$ = _____
17. $\frac{7}{5}$ = _____
18. $\frac{86}{10}$ = _____
19. $\frac{13}{2}$ = _____
20. $\frac{23}{3}$ = _____
21. $\frac{34}{5}$ = _____

Fractions, Decimals and Percentages Polygon Puzzle

Cut out the polygons and match the fractions, decimals and percentages.