Pg 154

$5.5\text{ m} \times \frac{1.0936\text{ yd}}{1\text{ m}} = 6.01\text{ yd}$

$1.2\text{ m} \times \frac{1.0936\text{ yd}}{1\text{ m}} = 1.31\text{ yd}$

4.2 - Converting Measurements

Make Connections

Two cars are driven in opposite directions from a Canada/United States border crossing.
In one hour, Hana drove 62 mi. south while Farrin drove 98 km north.
How could you determine which vehicle travelled farther from the border?

$62\text{ mi} \times \frac{1.6093\text{ Km}}{1\text{ mi}}$

$= 99.78\text{ Km}$

Hana is farther from the border

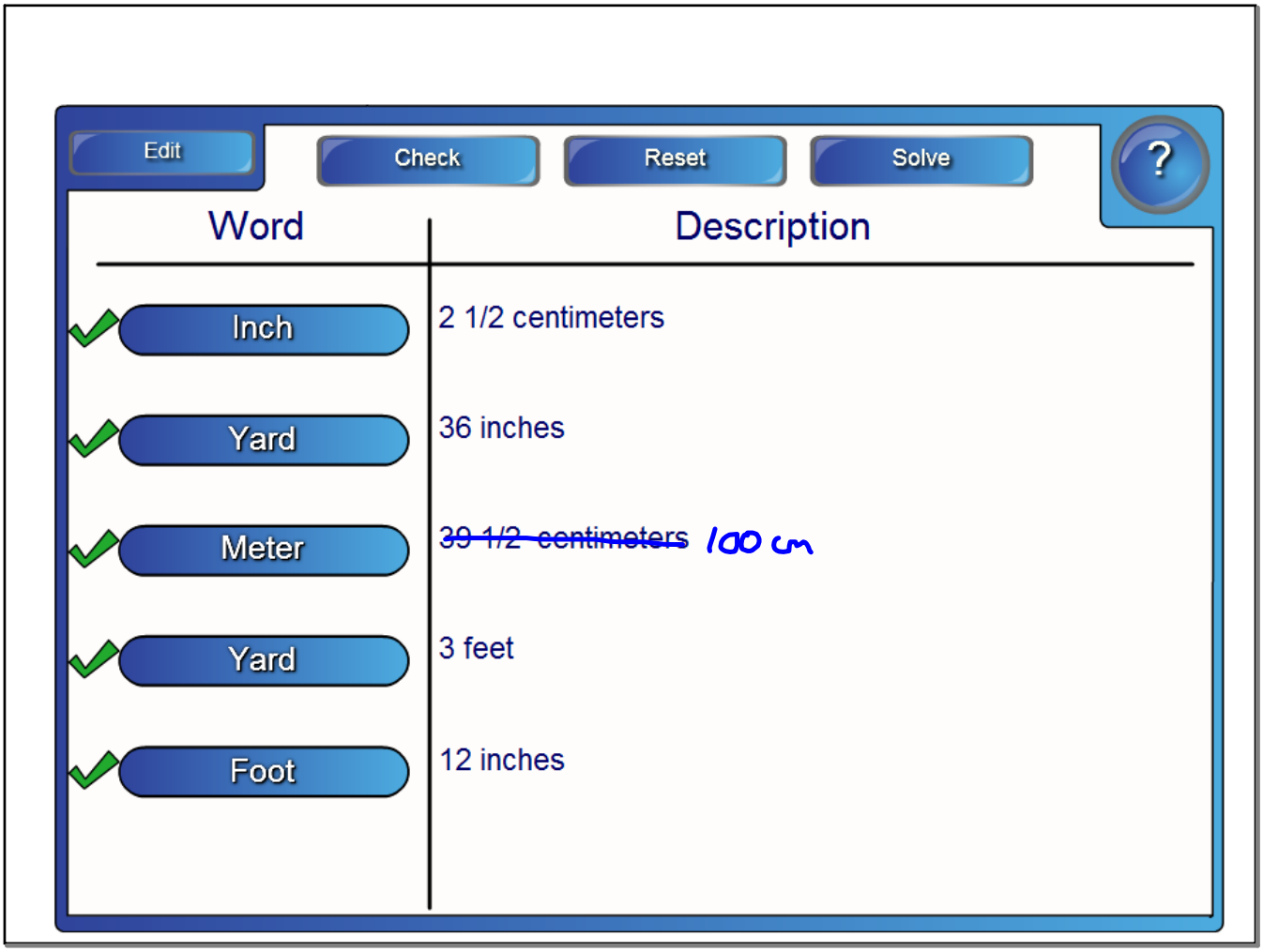
IMPORTANT CONVERSIONS...

1 m = 1.0936 yd

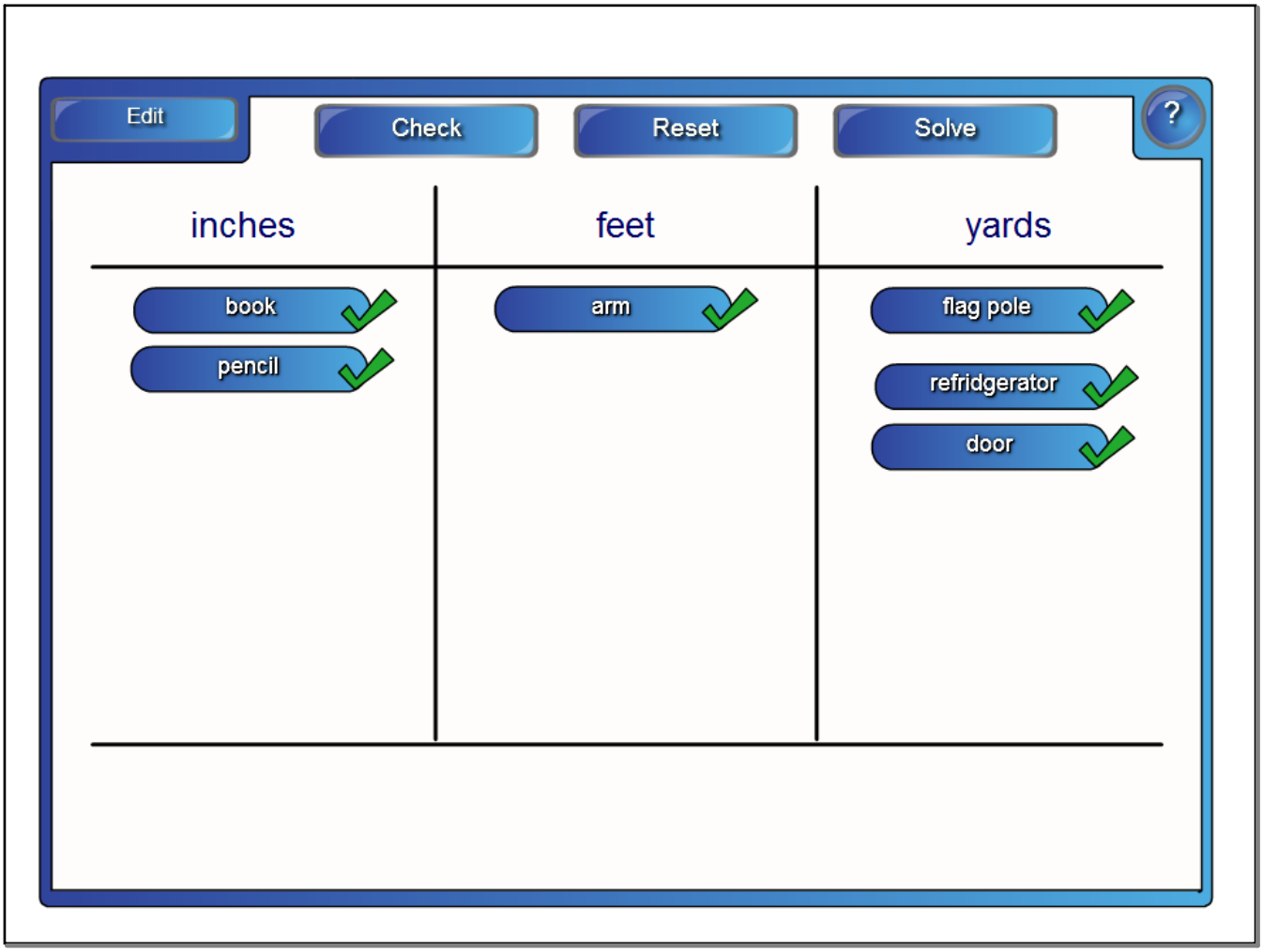
1 mi. = 1.6093 km

1 in. = 2.54 cm

Feb 15-9:42 AM


Edit
Check
Reset
Solve
?
Word
Description
Inch
2 1/2 centimeters
Yard
36 inches
Meter
39 1/2 centimeters
100 cm
Yard
3 feet
Foot
12 inches

Feb 15-9:43 AM


Edit
Check
Reset
Solve
?
inches
feet
yards
book
pencil
arm
flag pole
refridgerator
door

Feb 15-9:45 AM

PRACTICE: Concerting IMPERIAL to METRIC

4. Convert each measurement. Answer to the nearest tenth.

a) 16 in. to centimetres
b) 4 ft. to metres
c) 5 yd. to metres
d) 1650 yd. to kilometres
e) 6 mi. to kilometres
f) 2 in. to millimetres

Answers will vary depending on the conversion ratios use
4. a) 40.6 cm **b)** 1.2 m
c) 4.6 m **d)** 1.5 km
e) 9.7 km **f)** 50.8 mm

a) $16\text{in} \times \frac{2.54\text{cm}}{\text{in}} = 40.64\text{cm}$

b) $4\text{ft} \times \frac{1\ \text{yd}}{3\ \text{ft}} \times \frac{1\ \text{m}}{1.0936\ \text{yd}} = 1.22\ \text{m}$

c) $5\text{yd} \times \frac{1\ \text{m}}{1.0936\ \text{yd}} = 4.57\ \text{m}$

d) $1650\text{yd} \times \frac{1\ \text{m}}{1.0936\ \text{yd}} \times \frac{\text{Km}}{1000\ \text{m}} = 1.51\ \text{Km}$

e) $6\text{mi} \times \frac{1.6093\ \text{Km}}{1\ \text{mi}} = 9.66\ \text{Km}$

f) $2\text{in} \times \frac{2.54\ \text{cm}}{\text{in}} \times \frac{10\ \text{mm}}{\text{cm}} = 50.8\text{mm}$

HOMEWORK...

Worksheet

Feb 15-9:50 AM

Attachments

Section 4.2 Worksheet - Converting Measurements.docx

Section 4.2 Worksheet - Converting Measurements.pdf