Reading Scales Easter Baking Challenge Cards

1. To make hot cross buns I need to let the dough prove for 15 000 seconds before I put it in the oven. If I leave the dough to prove at 9am, draw the time on the clock face that I need to start baking the buns.

2. For the Easter Parade, children need to be in height order with the tallest child first. Bella is 0.3m taller than Fred and Sam is 200mm taller than Bella, and the combined height is 3.8m.

   a. Bella says, “I am first in the Easter Parade.” Is she right? How do you know?

   b. How much taller in mm is Sam than Fred?

   c. What is the height of each child?
3. Look at the scale below:

A dozen hot cross buns have a mass of 2.7kg. A chocolate Easter egg has a mass of 10oz. Is one Easter egg heavier or lighter than one hot cross bun? Explain how you know.

225g ~ 8oz

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4. One Easter egg has a mass of 675g. What is the mass of 7 Easter eggs in pounds and ounces?

450g ~ 16oz
16oz ~ 1lb

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5. 1l of melted chocolate is equivalent to 1 \( \frac{3}{4} \) pints. How many pints are needed if 4 litres of chocolate is melted?

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6. The conversion between inches and cm is shown on the scale below. I need 10 yards of fabric to cover the tables for the primary school Easter lunch. The supplier will only deliver in meters and centimetres. I think I need to order over 10m of fabric. Am I right? Explain how you know.

1 inch ~ 2.5cm
There are 12 inches to every foot and 3 feet in one yard.
7. A box of Easter eggs has a mass of 3.655kg. What is this in grams?

b. 3 tins of cocoa powder have a mass of 2.685kg. What does each tin weigh in grams?

c. I need 2 boxes of Easter eggs and 2 tins of cocoa powder for my desert recipe. What is the total mass? Record your answer in both kilograms and grams.

9. The Easter bunny needs a new rectangular pen with a perimeter totalling 546m. How long is this in km? How long is this in cm? How long is this in mm?

Challenge:
The shortest sides must be a minimum of 135m and each side must be measured in whole metres. What could the dimensions of the pen be? Record as many options as you can.

8. I need eggs to bake Easter cupcakes and my chickens always lay eggs at 10am each morning. If it is 7.30am, how many seconds do I have to wait for the eggs to be laid?

7. A box of Easter eggs has a mass of 3.655kg. What is this in grams?

b. 3 tins of cocoa powder have a mass of 2.685kg. What does each tin weigh in grams?

c. I need 2 boxes of Easter eggs and 2 tins of cocoa powder for my desert recipe. What is the total mass? Record your answer in both kilograms and grams.

Challenge:
The shortest sides must be a minimum of 135m and each side must be measured in whole metres. What could the dimensions of the pen be? Record as many options as you can.

10. The litre scale has rubbed off my measuring jug. I have measured 375ml milk to make an Easter milk chocolate cake. What is the equivalent volume in litres?

Using the conversion scale above, how many millilitres do I need to make approximately 1 pint of milk?