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| **Using Standard Units to Estimate, Measure, and Compare Area** | | | |
| Uses non-standard units to measure    “Its area is 8 Colour Tiles.” | Uses standard-sized items to measure    “Its area is 50 square centimetres.” | Uses partial units to get more precise measure    “6 whole squares and  4 half squares.  Area is 8 square centimetres.” | Measures using multiple copies of a unit    “I skip-counted by 10 five times:  10, 20, 30, 40, 50.  Area is 50 square centimetres.” |
| **Observations/Documentation** | | | |
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| **Using Standard Units to Estimate, Measure, and Compare Area (con’t)** | | | |
| Measures using intermediary shape (e.g., shape whose area is known)    “Each rectangle has area 50 square centimetres, so the area of the square is 100 square centimetres.” | Uses benchmarks to estimate in standard units    “Area of hand: about 100 square centimetres. The card is a bit bigger, so I estimate 125 square centimetres.” | Selects and uses appropriate standard units  “I would use square metres to measure the area of the floor because it is much bigger than a square made from metre sticks.” | Compares using standard units    “The rectangle:  10 square centimetres is bigger than 6 square centimetres.” |
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| **Using Standard Units to Estimate and Measure Mass and Capacity** | | |
| Uses non-standard units to measure    “The scissors have a mass of  about 12 linking cubes.  The jar has a capacity of  about 20 linking cubes.” | Uses multiple copies of standard-sized items to measure  “I added 1-g masses to the pan until the pans balanced. The eraser has a mass of 20 g.  I filled the 100-mL cylinder and poured it  into the jug. I did this 6 times.  The capacity of the jug is 600 mL.” | Measures using intermediary object (e.g., object whose mass/capacity is known)  “I know the soup can has a mass of about 300 g, so I started with that and added other masses.  I used the water bottle to fill the bowl. It didn’t quite fill it, so I then used the 100-mL cylinder.” |
| **Observations/Documentation** | | |
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| **Using Standard Units to Estimate and Measure Mass and Capacity (con’t)** | | |
| Uses benchmarks to estimate in standard units  “My pencil case is a bit heavier than a can of tuna, so I estimate 225 g.  The bottle is a bit smaller than a carton of milk, so I estimate 900 mL.” | Selects and uses appropriate standard units  “It’s lighter than a box of salt,  so I will use grams.  It’s bigger than a milk carton,  so I will use litres.” | Compares using standard units  “1 L is more than 750 mL, so the milk carton holds more than the yogurt tub.” |
| **Observations/Documentation** | | |
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